



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPLED26YDC - PROPRATED FROM ITL80284.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]SCALED FROM ITL80284
 [TESTLAB]SCALED PHOTOMETRY
 [ISSUEDATE]01/24/14
 [MANUFAC]RAB LIGHTING, INC.
 [LUMCAT]WPLED26YDC (WALLPACK) - ALED26YDC (AREA LIGHTER)
 [LUMINAIRE]CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1
 [MORE]CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH
 [MORE]SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN
 [MORE]PAINTED METAL FRAME.
 [LAMP]ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED
 [MORE]33-DEGREES FROM VERTICAL BASE-UP POSITION.
 [OTHER]TOTAL INPUT WATTS = 27.5 AT 12.0 VOLTS
 [_LEDDRIVER]RAB RD126-DC-A0700
 [_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
 [MORE]VOLTAGE (12VDC) TO THE DRIVER. DRIVER INFORMATION
 [MORE]PROVIDED BY CLIENT.
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 [OTHER]TEST DISTANCE = 20.0 FEET
 [_ABSOLUTE]LUMENS]1852

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1852
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	27.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1004.962
Maximum Candela Angle	0H 34V
Maximum Candela (<90 Degrees Vertical)	1004.962
Maximum Candela Angle (<90 Degrees Vertical)	0H 34V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	104.954 (5.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	346.5	N.A.	18.7
FM - Front-Medium (30-60)	853.6	N.A.	46.1
FH - Front-High (60-80)	354.8	N.A.	19.2
FVH - Front-Very High (80-90)	3.4	N.A.	0.2
BL - Back-Low (0-30)	175.2	N.A.	9.5
BM - Back-Medium (30-60)	111.7	N.A.	6.0
BH - Back-High (60-80)	7.2	N.A.	0.4
BVH - Back-Very High (80-90)	< 0.05	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1852.4	N.A.	100.0
BUG Rating	B1-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390
2.5	744.898	744.898	743.040	742.111	739.325	734.681	731.894	726.322	721.678	716.105
5.0	777.406	775.548	772.762	769.975	763.474	756.043	747.684	737.467	727.250	716.105
7.5	808.985	807.127	803.412	796.910	788.551	776.477	762.545	746.755	730.037	714.247
10.0	837.778	835.920	832.205	823.846	810.842	795.053	775.548	754.186	732.823	710.532
12.5	865.642	863.784	859.140	848.923	833.134	811.771	788.551	760.687	732.823	704.959
15.0	890.719	889.790	883.289	871.214	852.638	827.561	798.768	765.331	730.966	697.529
17.5	913.939	913.939	906.509	890.719	870.286	841.493	807.127	768.118	728.179	688.241
20.0	937.159	936.230	926.942	910.224	885.146	852.638	812.700	768.118	722.606	677.095
22.5	958.522	956.664	946.447	928.800	899.078	860.998	817.344	767.189	715.176	665.021
25.0	977.098	974.311	964.094	943.661	911.153	868.428	818.273	762.545	705.888	650.160
27.5	991.030	988.243	977.098	955.735	920.441	873.072	817.344	756.043	693.814	633.442
30.0	1000.318	997.531	987.314	964.094	926.014	874.930	813.629	746.755	679.882	615.794
32.5	1004.033	1003.104	992.887	968.738	928.800	874.001	807.127	734.681	663.163	595.361
34.0	1004.962	1004.033	993.816	969.667	928.800	872.143	802.483	726.322	652.018	582.358
35.0	1004.962	1003.104	993.816	968.738	927.871	869.357	798.768	719.820	644.587	573.070
37.5	1001.246	999.389	991.030	966.881	923.227	861.926	785.765	703.102	624.154	548.921
40.0	991.958	991.030	982.670	961.308	915.797	850.781	771.833	684.526	600.934	522.914
42.5	978.955	978.026	969.667	950.162	905.580	836.849	754.186	663.163	575.856	494.122
45.0	962.237	960.379	952.949	933.444	891.648	820.130	734.681	639.943	547.992	463.471
47.5	941.803	939.946	930.658	913.010	873.072	801.554	713.318	614.866	519.199	431.892
50.0	916.726	914.868	905.580	887.004	849.852	782.050	691.027	587.930	487.620	399.384
52.5	887.004	887.004	876.787	857.282	822.917	759.758	665.950	559.138	456.041	365.947
55.0	858.211	855.425	845.208	824.774	793.195	734.681	639.943	528.487	424.462	330.653
57.5	822.917	820.130	809.914	789.480	759.758	706.817	610.222	496.908	391.954	294.430
60.0	782.978	780.192	771.833	750.470	722.606	674.309	576.785	462.542	357.588	257.278
62.5	729.108	726.322	719.820	708.674	680.810	637.157	538.704	425.390	323.222	218.268
65.0	650.160	651.089	651.089	649.231	630.655	595.361	495.979	387.310	283.284	177.401
67.5	571.212	571.212	572.141	574.927	565.639	547.063	448.610	337.154	229.414	134.676
70.0	500.623	499.694	498.766	492.264	486.691	488.549	387.310	275.854	182.974	93.809
72.5	387.310	388.238	403.099	417.960	407.743	403.099	308.362	222.912	139.320	52.942
75.0	242.417	240.559	260.064	290.714	318.578	316.721	248.918	159.754	71.518	15.790
77.5	104.954	101.239	120.744	150.466	185.760	224.770	162.540	64.087	16.718	2.786
80.0	15.790	14.861	18.576	31.579	61.301	104.954	47.369	8.359	3.715	1.858
82.5	6.502	6.502	6.502	6.502	6.502	13.932	6.502	3.715	1.858	0.929
85.0	2.786	2.786	2.786	2.786	2.786	2.786	2.786	1.858	0.929	0.000
87.5	0.929	0.929	0.929	0.929	0.929	0.929	0.929	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	90	95	105	115	125	135	145	155	165	175
0.0	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390	712.390
2.5	712.390	709.603	704.030	697.529	691.027	684.526	680.810	676.166	673.380	670.594
5.0	710.532	704.030	691.956	679.882	667.807	655.733	646.445	638.086	631.584	627.869
7.5	704.959	696.600	678.953	659.448	640.872	622.296	605.578	592.574	582.358	578.642
10.0	698.458	687.312	663.163	637.157	609.293	583.286	560.066	540.562	528.487	521.057
12.5	691.027	677.095	645.516	611.150	574.927	539.633	509.911	485.762	469.044	459.756
15.0	681.739	664.092	626.011	582.358	536.846	493.193	456.041	425.390	404.957	393.811
17.5	669.665	649.231	605.578	552.636	498.766	444.895	399.384	363.161	339.012	326.009
20.0	655.733	633.442	581.429	519.199	456.041	394.740	343.656	302.789	273.067	264.708
22.5	640.872	615.794	556.351	483.905	411.458	341.798	284.213	239.630	210.838	197.834
25.0	624.154	596.290	528.487	446.753	364.090	289.786	225.698	177.401	146.750	132.818
27.5	605.578	574.927	499.694	407.743	315.792	235.915	167.184	118.886	89.165	78.019
30.0	585.144	552.636	468.115	366.876	266.566	182.974	112.385	68.731	50.155	43.654
32.5	562.853	527.558	434.678	324.151	218.268	129.103	68.731	39.938	36.223	35.294
34.0	548.921	511.769	413.316	299.074	189.475	99.382	48.298	34.366	32.508	31.579
35.0	538.704	501.552	399.384	281.426	169.970	81.734	39.010	31.579	29.722	28.793
37.5	512.698	472.759	363.161	237.773	123.530	45.511	28.793	26.006	25.078	25.078
40.0	484.834	442.109	325.080	195.048	80.806	26.935	23.220	22.291	21.362	21.362
42.5	455.112	409.601	286.999	152.323	46.440	20.434	18.576	18.576	17.647	17.647
45.0	423.533	376.164	247.990	112.385	26.006	16.718	15.790	15.790	14.861	13.932
47.5	391.025	341.798	208.980	75.233	15.790	13.003	13.003	12.074	11.146	11.146
50.0	357.588	305.575	170.899	44.582	13.003	11.146	10.217	9.288	9.288	8.359
52.5	322.294	268.423	132.818	25.078	10.217	9.288	8.359	7.430	6.502	6.502
55.0	286.070	230.342	97.524	13.003	8.359	7.430	6.502	5.573	5.573	4.644
57.5	247.990	192.262	65.016	8.359	6.502	5.573	4.644	3.715	3.715	3.715
60.0	208.980	153.252	38.081	6.502	5.573	3.715	3.715	2.786	2.786	2.786
62.5	169.042	114.242	18.576	5.573	3.715	2.786	2.786	1.858	1.858	1.858
65.0	128.174	76.162	8.359	3.715	2.786	1.858	1.858	1.858	0.929	0.929
67.5	85.450	42.725	4.644	2.786	1.858	1.858	0.929	0.929	0.929	0.929
70.0	47.369	16.718	3.715	1.858	0.929	0.929	0.929	0.929	0.929	0.929
72.5	19.505	4.644	1.858	0.929	0.929	0.929	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

75.0	4.644	2.786	0.929	0.929	0.929	0.000	0.000	0.000	0.000	0.000
77.5	1.858	1.858	0.929	0.929	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.929	0.929	0.929	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.929	0.929	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	180
0.0	712.390
2.5	671.522
5.0	628.798
7.5	576.785
10.0	520.128
12.5	458.827
15.0	392.882
17.5	325.080
20.0	257.278

IES ROAD REPORT**PHOTOMETRIC FILENAME : WPLED26YDC - PROPRTED FROM ITL80284.IES****CANDELA TABULATION - (Cont.)**

22.5	190.404
25.0	131.890
27.5	77.090
30.0	42.725
32.5	34.366
34.0	30.650
35.0	28.793
37.5	25.078
40.0	21.362
42.5	17.647
45.0	13.932
47.5	11.146
50.0	8.359
52.5	6.502
55.0	4.644
57.5	3.715
60.0	2.786
62.5	1.858
65.0	0.929
67.5	0.929
70.0	0.929
72.5	0.000
75.0	0.000
77.5	0.000
80.0	0.000
82.5	0.000
85.0	0.000
87.5	0.000
90.0	0.000
92.5	0.000
95.0	0.000
97.5	0.000
100.0	0.000
102.5	0.000
105.0	0.000
107.5	0.000
110.0	0.000
112.5	0.000
115.0	0.000
117.5	0.000
120.0	0.000
122.5	0.000
125.0	0.000
127.5	0.000
130.0	0.000
132.5	0.000
135.0	0.000
137.5	0.000
140.0	0.000
142.5	0.000
145.0	0.000
147.5	0.000
150.0	0.000
152.5	0.000
155.0	0.000
157.5	0.000

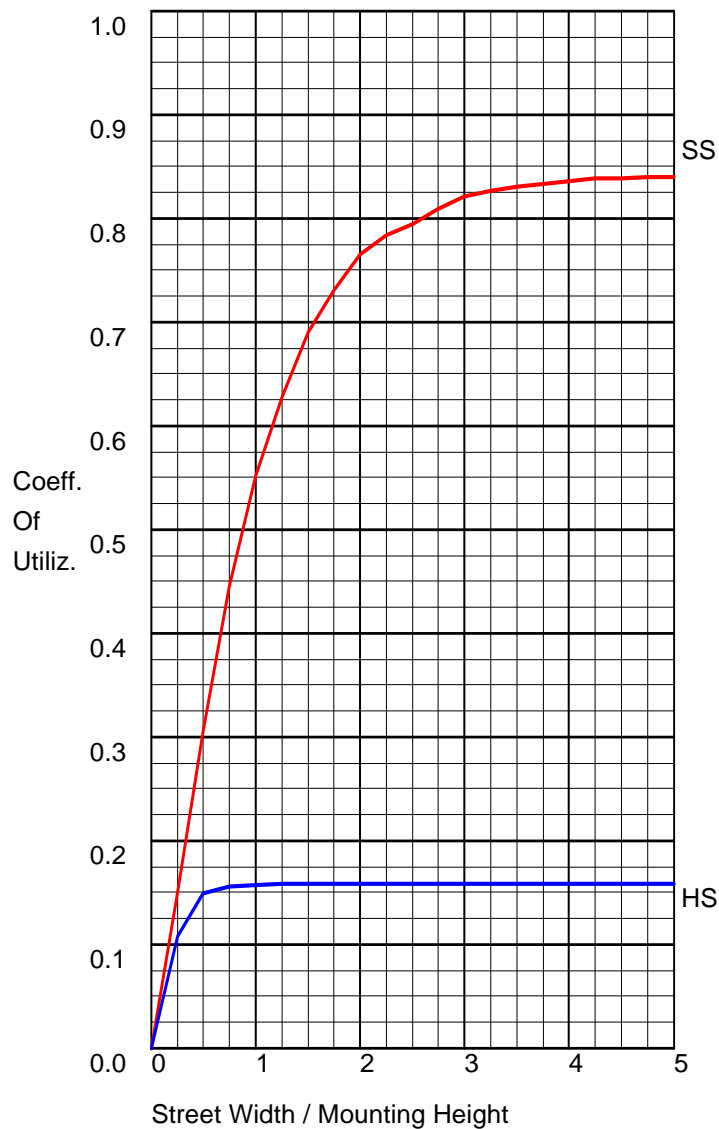
IES ROAD REPORT

PHOTOMETRIC FILENAME : WPLED26YDC - PROPRTED FROM ITL80284.IES

CANDELA TABULATION - (Cont.)

160.0	0.000
162.5	0.000
165.0	0.000
167.5	0.000
170.0	0.000
172.5	0.000
175.0	0.000
177.5	0.000
180.0	0.000

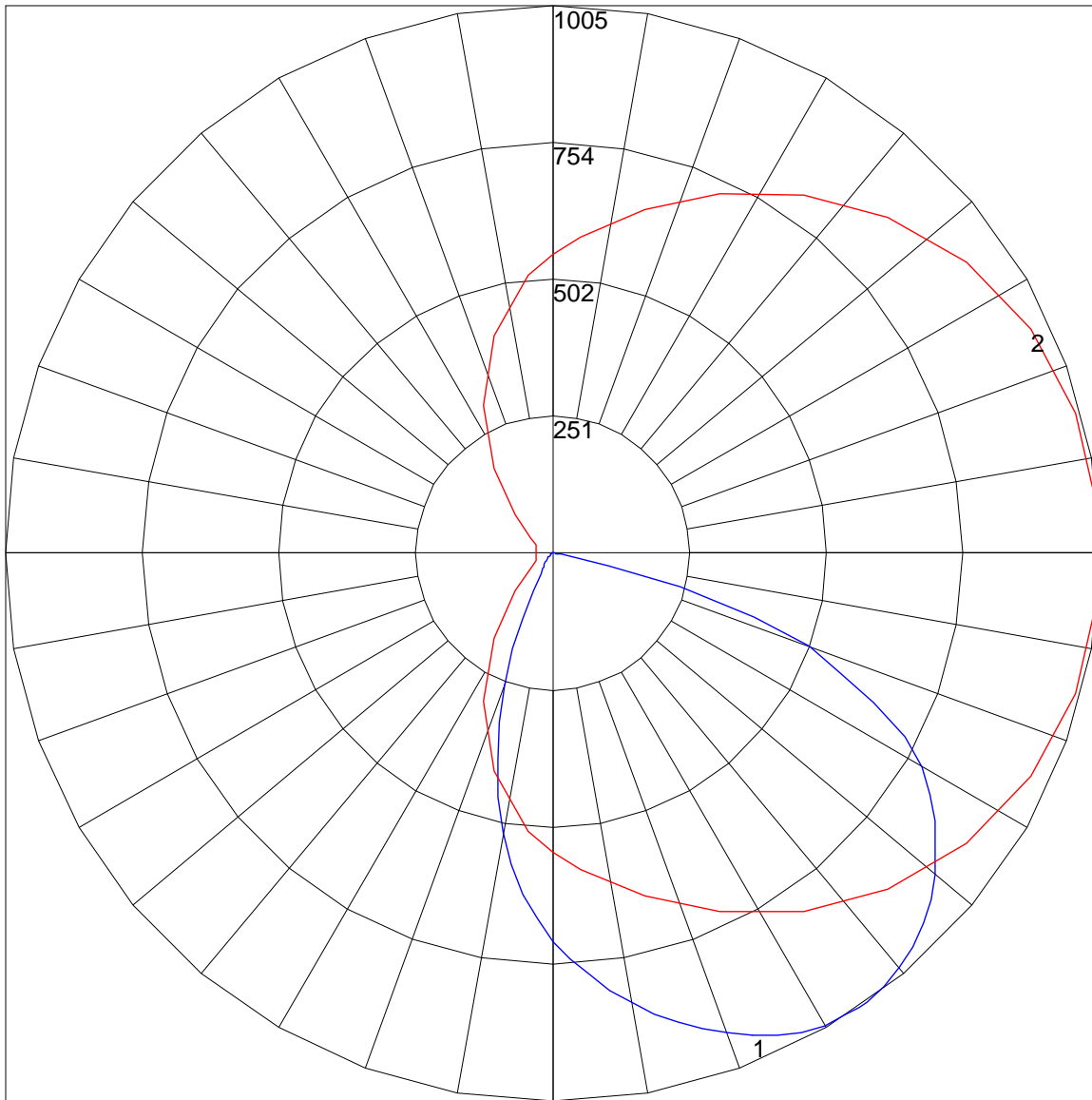
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

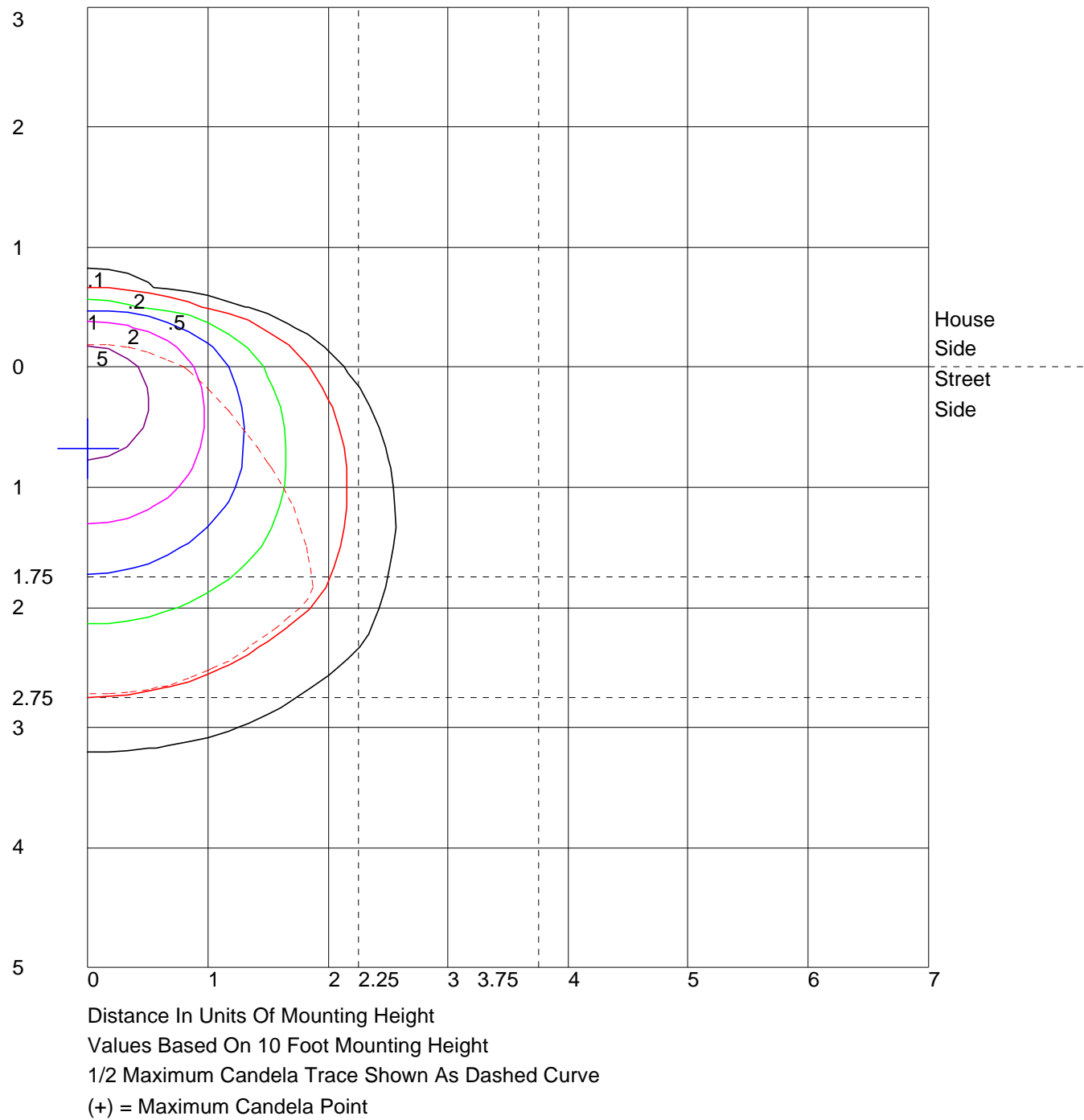
	Lumens	Percent Of Luminaire
Downward Street Side	1558.3	84.1
Downward House Side	294.1	15.9
Downward Total	1852.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1852.4	100.0

POLAR GRAPH

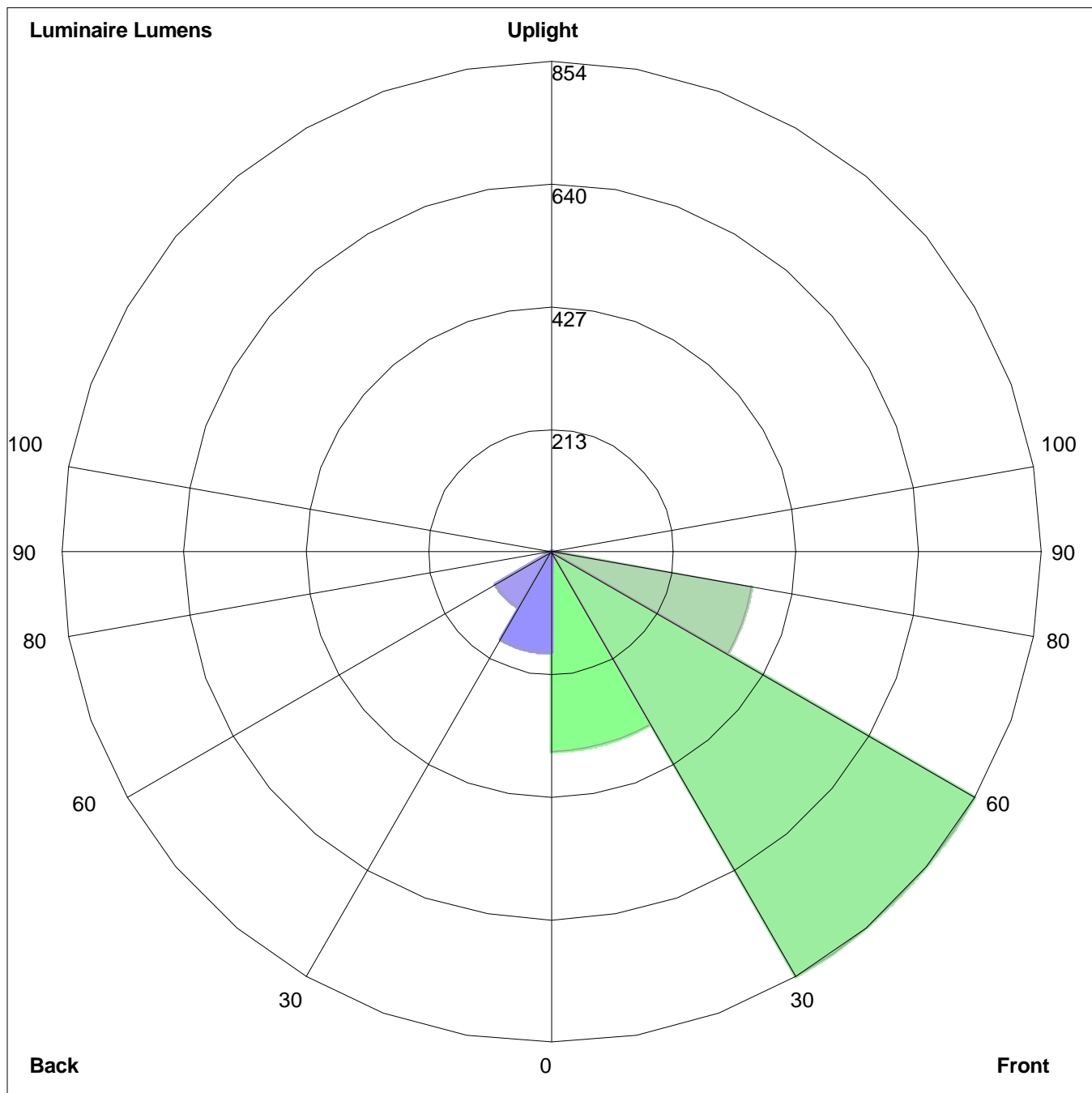


Maximum Candela = 1004.962 Located At Horizontal Angle = 0, Vertical Angle = 34
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (34) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

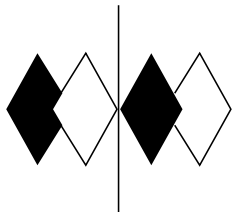


LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=346.5, Medium=853.6, High=354.8, Very High=3.4
Back: Low=175.2, Medium=111.7, High=7.2, Very High=0.0
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0



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INDEPENDENT TESTING LABORATORIES, INC.
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Page 1 of 4

REPORT NUMBER: ITL80287
DATE: 01/06/14
PREPARED FOR: RAB LIGHTING, INC.
CATALOG NUMBER: WPLED26Y (WALLPACK) - ALED26Y (AREA LIGHTER)

ADDRESS: 170 LUDLOW AVE
NORTHVALE, NJ 07647

LUMINAIRE: CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL FRAME.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 33-DEGREES FROM VERTICAL BASE-UP POSITION.

DRIVER: RAB RD26S

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120.0 AND 277.0 VAC, 60Hz) TO THE DRIVER. DRIVER INFORMATION PROVIDED BY CLIENT.

INSTRUMENTS:	Associated Power Technologies APT5010 AC Power Source	Calibration Due: N/A
	Yokogawa WT210 Digital Power Meter #6	10/31/14
	Ocean Optics QE65000 Spectroradiometer	10/17/14
	ITL 1.5m Diameter Integrating Sphere S15-2, 4PI Geometry	10/17/14

OBJECT OF TEST: Measure the Total Radiant Flux*, Spectral Power Distribution (SPD), Correlated Color Temperature (CCT), Color Rendering Indices (CRI_a,1-14), Chromaticity Coordinates (x,y; u'v'), ANSI C78.377 Duv, and electrical data including ANSI C82.77-2002 Power Factor (PF) and Total Harmonic Distortion (THD) to the test sample. Report Off-State Power. Measure electrical data including Total Harmonic Distortion (THD) at maximum rated voltage.

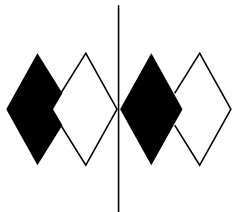
PROCEDURE: The test sample was provided by the customer and had an unknown number of operating hours. The test sample was mounted inside the integrating sphere and allowed to stabilize. After stabilization occurred, measurements were taken. In order to measure mean performance, multiple data sets were recorded and averaged. Readings were taken with the test sample operating at 120.0 VAC input. Electrical data was also recorded at maximum nominal rated input voltage (277.0 VAC). All testing performed in a 25 +/-1 degree Celsius free air ambient and in accordance with IESNA LM-79-08. All data are traceable to the National Institute of Standards and Technology. Off-State Power was reported with no voltage applied to the sample.

*NOTE: Proper calibration of integrating spheres for measuring total flux output of non-directional samples will produce reliable, repeatable results within the calibration tolerances of the equipment used. However, measurement of test samples with significant self absorption and/or directional output, even when these effects are compensated for, are likely to have a greater variation in results compared to the flux output calculated from a goniophotometric exploration since these artifacts do not affect the goniophotometric results.

RESULTS: (continued subsequent pages)

THIS ITL REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

Checked	<i>N THOMAS</i>
Approved	<i>P O'CONNOR</i> SPHERE LAB SUPERVISOR



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NVLAP
NVLAP LAB CODE: 200925-0

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REPORT NUMBER:

ITL80287

DATE:

01/06/14

PREPARED FOR:

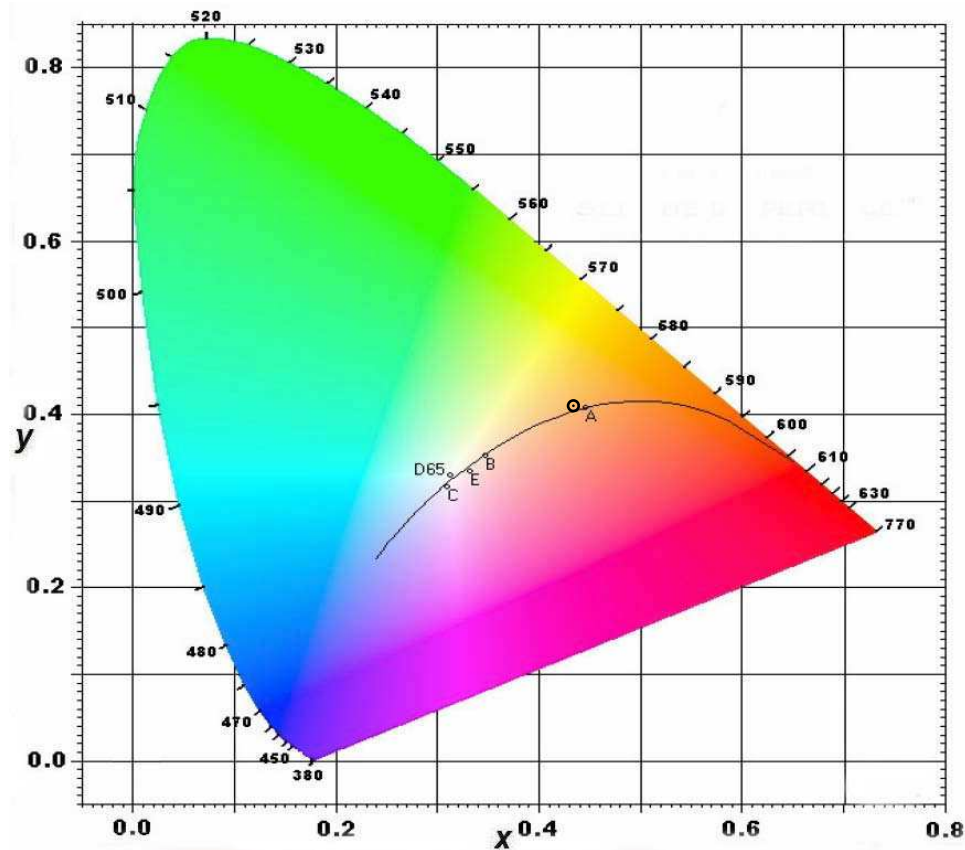
RAB LIGHTING, INC.

CATALOG NUMBER:

WPLED26Y (WALLPACK) - ALED26Y (AREA LIGHTER)

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CIE Chromaticity Diagram





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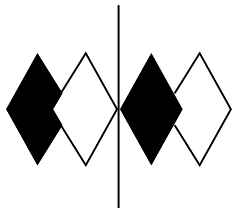
RESULTS:

SPECTRORADIOMETRIC	
Observer	CIE 1931 2 degree
Chromaticity Ordinate x	0.4338
Chromaticity Ordinate y	0.4094
Observer	CIE 1976 2 degree
Chromaticity Ordinate u'	0.2463
Chromaticity Ordinate v'	0.5230
Correlated Color Temp CCT (K)	3097
ANSI C78.377-2008 Duv	0.003
Total Radiant Flux (milliWatts)	6035 *
ELECTRICAL	
Input Voltage (Volts AC)	120.0
Input Current (Amps AC)	0.243
Input Power (Watts)	29.0
Input Power Factor (%)	99.5
Input Current THD (%)	7.8
Input Voltage THD (%)	0.3
Off-State Power (Watts)	
	0.0
ELECTRICAL AT MAX NONIMAL INPUT	
Input Voltage (Volts AC)	277.0
Input Current (Amps AC)	0.116
Input Power (Watts)	28.9
Input Power Factor (%)	89.9
Input Current THD (%)	10.9
Input Voltage THD (%)	0.2

COLOR RENDERING INDICES	CRI
Ra (Average 1-8)	83
R1 Light greyish red	81
R2 Dark greyish yellow	88
R3 Strong yellowish green	96
R4 Moderate yellowish green	84
R5 Light bluish green	81
R6 Light blue	86
R7 Light violet	85
R8 Light reddish purple	61
R9 Strong red	6
R10 Strong yellow	73
R11 Strong green	85
R12 Strong blue	70
R13 Light yellowish pink (skin)	82
R14 Moderate olive green (leaf)	97

*NOTE:

Proper calibration of integrating spheres for measuring total flux output of non-directional samples will produce reliable, repeatable results within the calibration tolerances of the equipment used. However, measurement of test samples with significant self absorption and/or directional output, even when these effects are compensated for, are likely to have a greater variation in results compared to the flux output calculated from a goniophotometric exploration since these artifacts do not affect the goniophotometric results.



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RESULTS:

Wavelength	mW per nm	Wavelength	mW per nm	Wavelength	mW per nm
380	0.140	515	19.886	650	22.980
385	0.155	520	21.243	655	20.671
390	0.181	525	22.174	660	18.491
395	0.220	530	22.832	665	16.462
400	0.290	535	23.306	670	14.584
405	0.443	540	23.761	675	12.864
410	0.739	545	24.309	680	11.308
415	1.230	550	25.015	685	9.913
420	2.224	555	25.980	690	8.664
425	3.990	560	27.294	695	7.563
430	6.746	565	28.902	700	6.621
435	10.786	570	30.719	705	5.746
440	16.542	575	32.700	710	4.980
445	20.869	580	34.651	715	4.336
450	18.186	585	36.429	720	3.763
455	12.409	590	37.972	725	3.267
460	8.800	595	39.052	730	2.835
465	6.564	600	39.570	735	2.463
470	5.096	605	39.580	740	2.142
475	4.729	610	39.033	745	1.859
480	5.207	615	37.974	750	1.618
485	6.386	620	36.451	755	1.407
490	8.274	625	34.578	760	1.230
495	10.707	630	32.475	765	1.077
500	13.341	635	30.146	770	0.941
505	15.896	640	27.759	775	0.824
510	18.112	645	25.343	780	0.722

