

REPORT NUMBER: PRORATED FROM WPLED18Y - DLF2018041 PAGE: 1 OF 7
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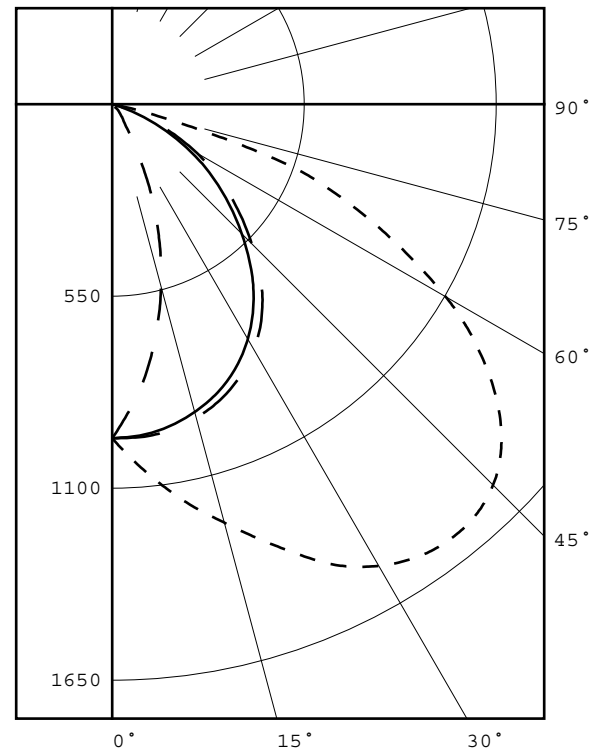
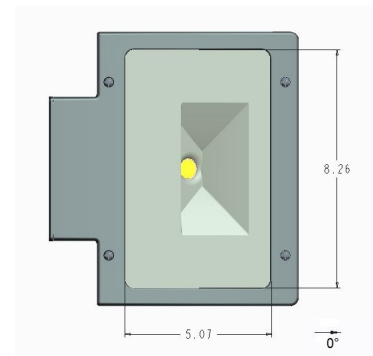
CATALOG NUMBER: WPLED18N (WALLPACK) - ALED18N (AREA LIGHTER)
 LUMINAIRE: CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1
 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH
 SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED
 METAL FRAME.

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

TOTAL INPUT WATTS = 20.5 AT 277.0 VOLTS

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION					FLUX
	0.0	90.0	180.0	270.0	
0	958	958	958	958	
5	1053	952	835	958	90
15	1241	914	542	930	255
25	1450	836	233	864	385
35	1571	706	55	747	468
45	1544	525	21	566	504
55	1306	338	8	377	473
65	851	146	4	178	347
75	164	6	2	10	127
85	0	1	1	0	4
90	0	0	0	0	
95	0	0	0	0	0
105	0	0	1	0	0
115	0	1	1	0	0
125	0	1	1	0	1
135	0	1	2	1	1
145	0	1	2	1	1
155	0	1	2	1	1
165	1	1	1	1	0
175	1	1	1	1	0
180	1	1	1	1	



LEGEND:
 0-deg: - - - - -
 90-deg: _____
 180-deg: - - - - -
 270-deg: - - - - -

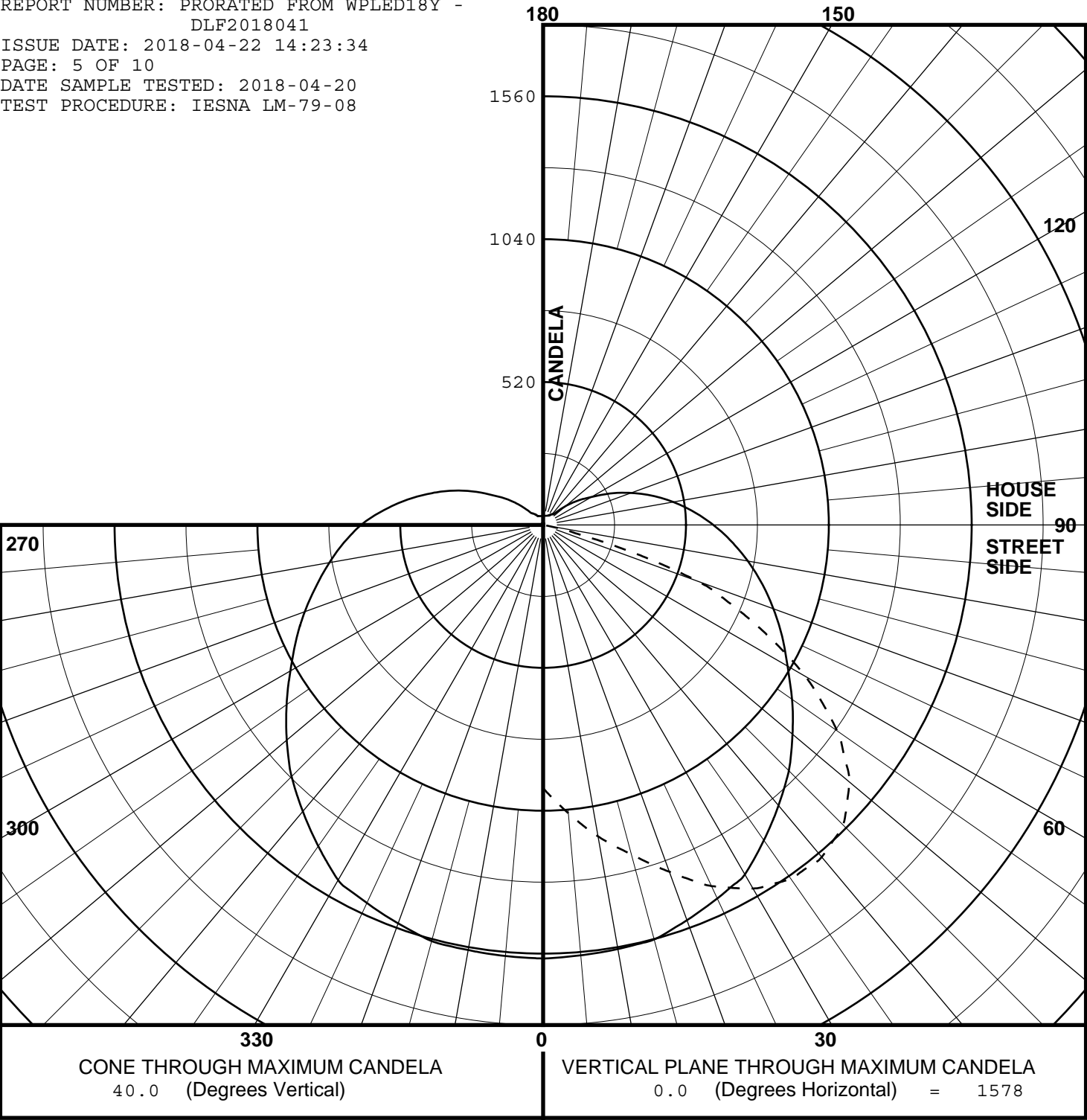
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	730	27.5
0- 40	1199	45.1
0- 60	2175	81.9
0- 90	2654	99.9
90-120	1	0.0
90-130	1	0.1
90-150	3	0.1
90-180	4	0.1
0-180	2657	100.0

EFFICACY = 129.6 Lm/W
 CIE TYPE - DIRECT

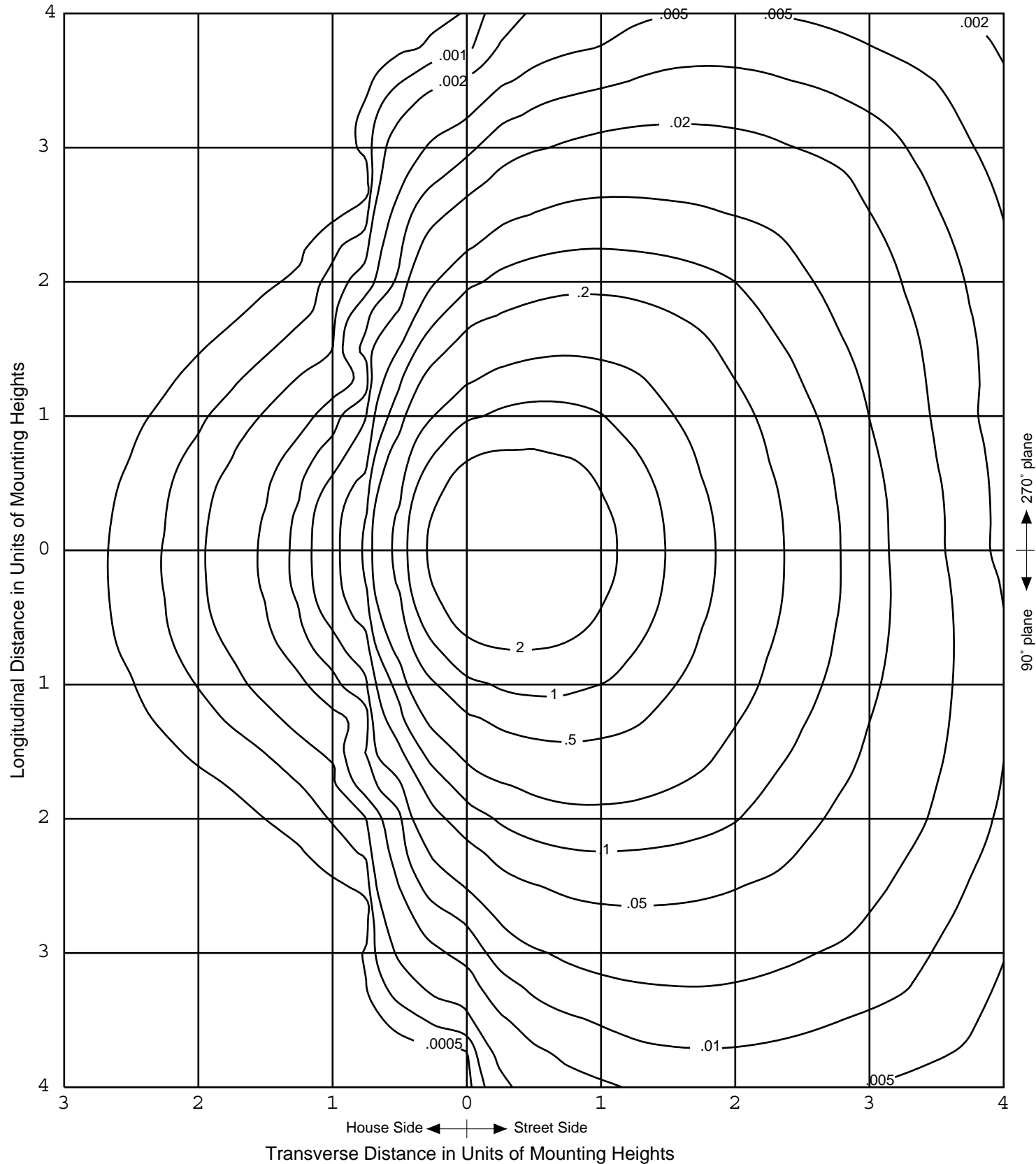
Checked
 Approved

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: PRORATED FROM WPLED18Y -
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TEST PROCEDURE: IESNA LM-79-08



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 15 foot mounting height.



COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION

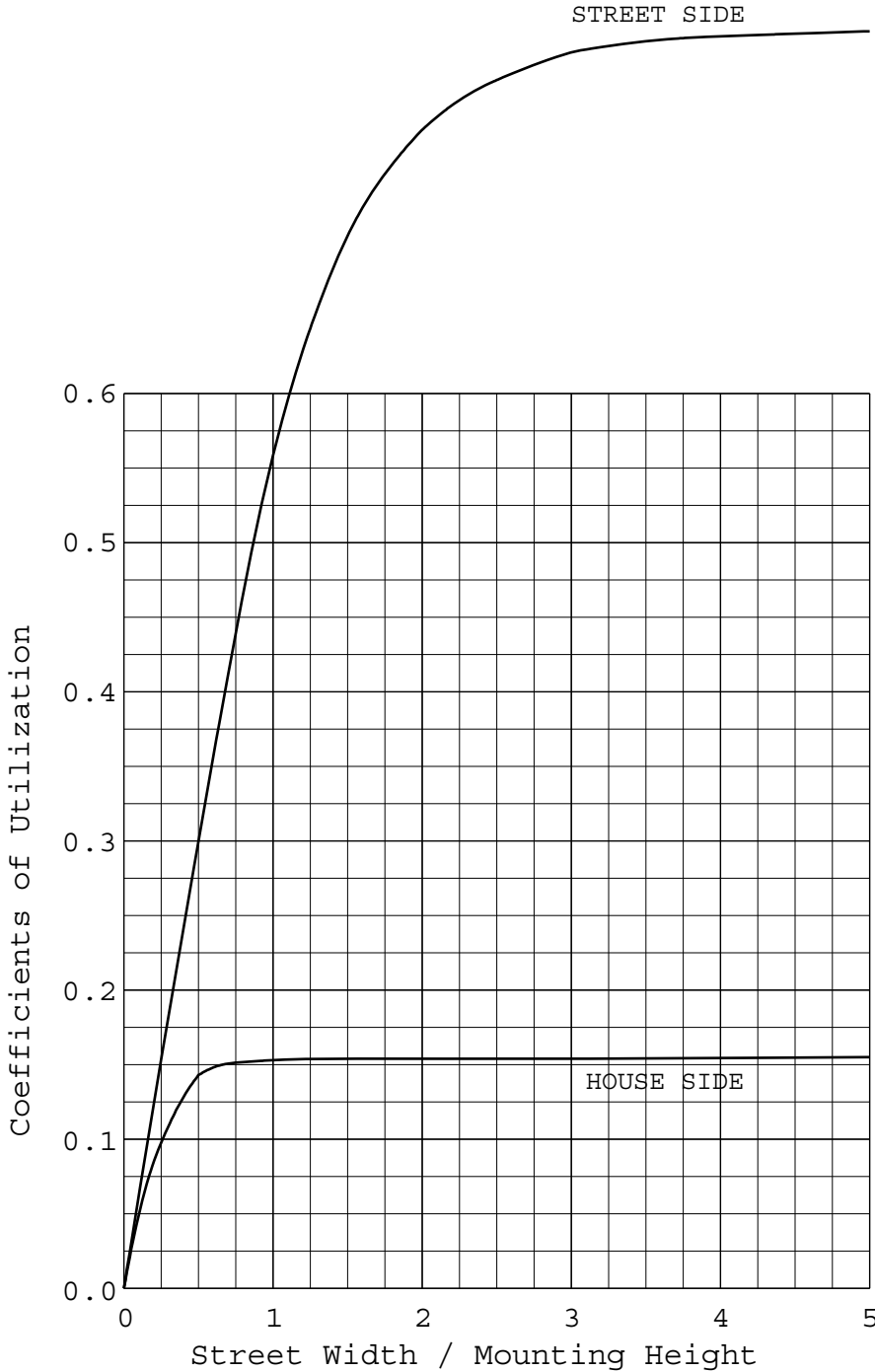
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TEST PROCEDURE: IESNA LM-79-08



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2241.	84.3
DOWNWARD HOUSE SIDE	412.	15.5
DOWNWARD TOTAL	2653.	99.9
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	3.	0.1
UPWARD TOTAL	4.	0.1
TOTAL FLUX	2657.	100.0

TOTAL INPUT WATTS = 20.5

EFFICACY = 129.6 Lm/W

Checked P. ALBERS

Approved D. WANG-MUNSON

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

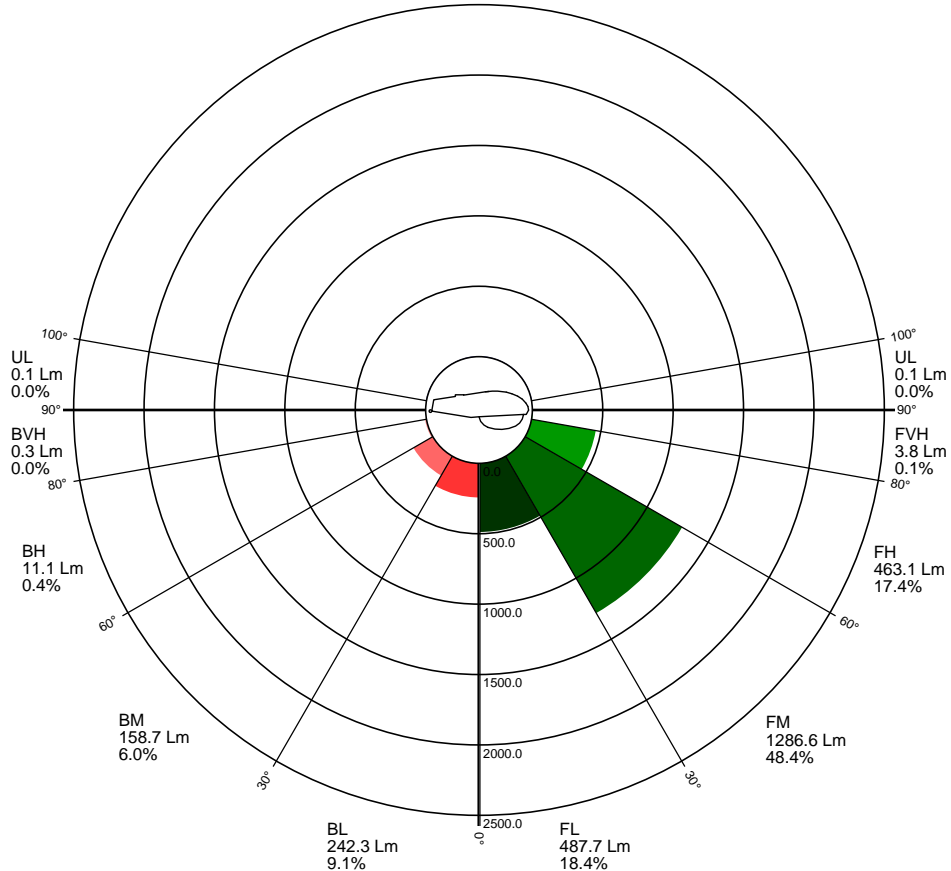
REPORT NUMBER: PRORATED FROM WPLED18Y - DLF20180416001-17a CPAGE: 2 OF 10
 ISSUE DATE: 2018-04-22 14:23:34 DATE SAMPLE TESTED: 20
 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

BUG Rating:				B1 U1 G0		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		2241	84.3			
FL	(0° - 30°)	487.7	18.4			
FM	(30° - 60°)	1286.6	48.4			
FH	(60° - 80°)	463.1	17.4			G0
FVH	(80° - 90°)	3.8	0.1			G0
Backward		412	15.5			
BL	(0° - 30°)	242.3	9.1	B1		
BM	(30° - 60°)	158.7	6.0	B0		
BH	(60° - 80°)	11.1	0.4	B0		G0
BVH	(80° - 90°)	0.3	0.0			G0
Upward		4	0.1			
UL	(90° - 100°)	0.1	0.0		U1	
UH	(100° - 180°)	3.5	0.1		U1	
Trapped Light		0	0.0			
Total Flux		2657	100.0			

Zonal Lumen Summary

(Linear scale)

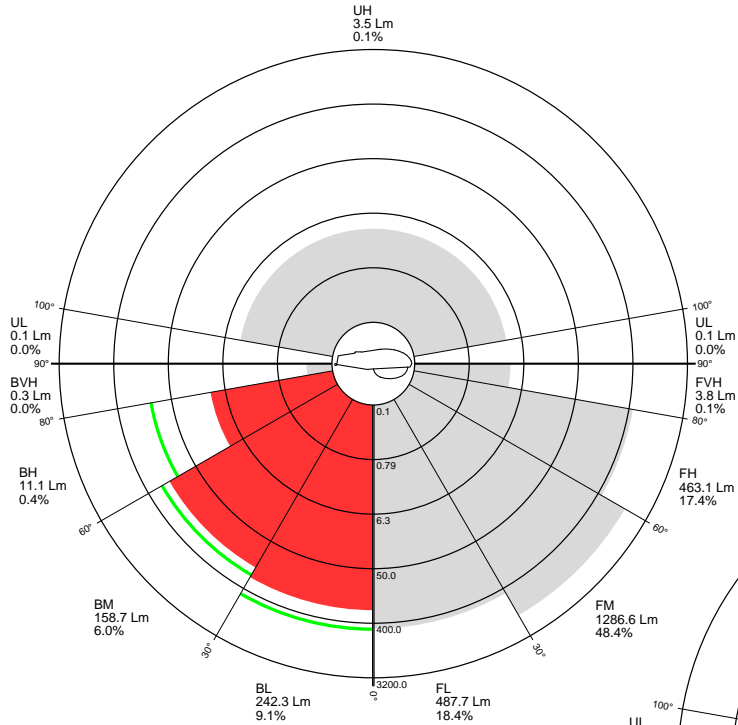
UH
3.5 Lm
0.1%



REPORT NUMBER: PRORATED FROM WPLED18Y - DLF20180416001-17a CPAGE: 3 OF 10
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 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

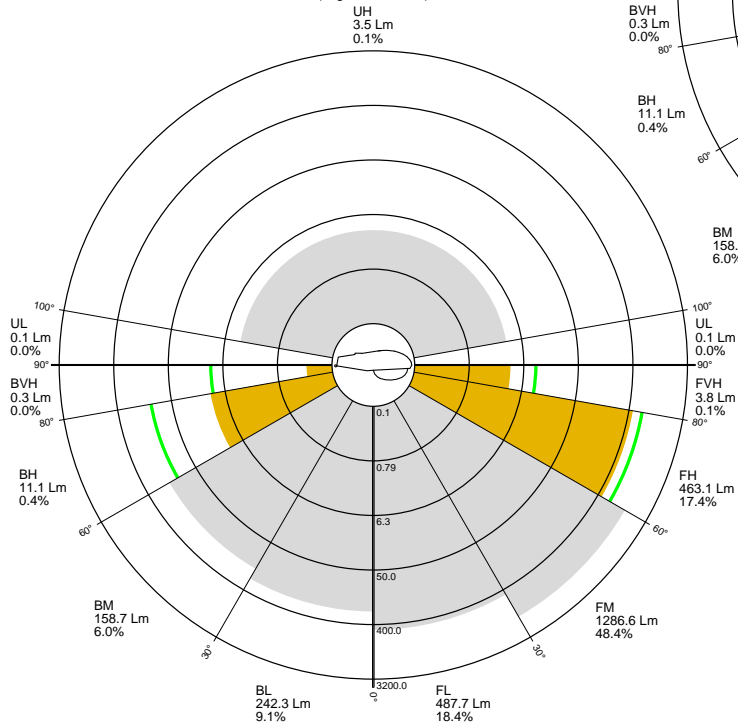
Backlight Rating Details

(Logarithmic scale)



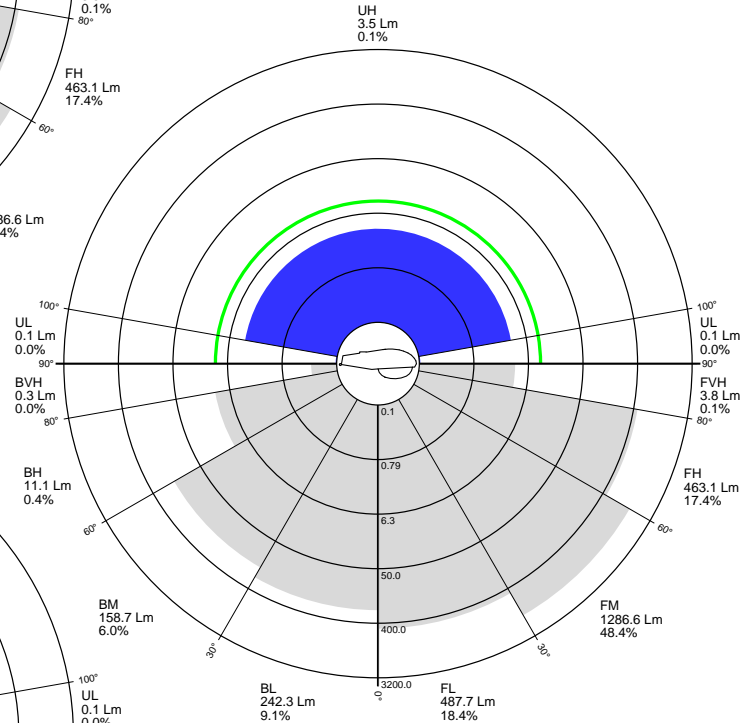
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE								
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0 85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	0.	0.	0.	1.	1.	1.	1.	1.	1.
	145.0	0.	0.	0.	0.	0.	0.	1.	1.	1.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	1.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	1.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	1.	1.	1.	1.	0.
	85.0	0.	0.	0.	1.	1.	2.	2.	2.	1.
V	82.5	3.	3.	4.	12.	33.	65.	37.	16.	3.
E	80.0	6.	6.	7.	24.	65.	128.	72.	31.	5.
R	77.5	85.	101.	131.	176.	218.	257.	189.	122.	58.
T	75.0	164.	195.	256.	328.	371.	387.	305.	213.	111.
I	72.5	382.	403.	447.	485.	509.	521.	401.	285.	172.
C	70.0	600.	612.	638.	642.	648.	655.	498.	357.	234.
A	67.5	726.	736.	756.	766.	774.	779.	606.	445.	296.
L	65.0	852.	859.	874.	890.	900.	902.	714.	532.	358.
	62.5	978.	984.	996.	1002.	997.	979.	786.	597.	413.
A	60.0	1104.	1109.	1118.	1114.	1094.	1056.	857.	662.	469.
N	57.5	1206.	1207.	1211.	1200.	1166.	1109.	906.	707.	512.
G	55.0	1307.	1306.	1304.	1286.	1238.	1162.	955.	753.	555.
L	52.5	1382.	1379.	1373.	1350.	1289.	1190.	989.	792.	602.
E	50.0	1456.	1451.	1442.	1414.	1339.	1219.	1022.	832.	648.
	47.5	1500.	1496.	1486.	1450.	1365.	1231.	1045.	867.	696.
	45.0	1545.	1540.	1530.	1486.	1390.	1244.	1069.	902.	744.
	42.5	1561.	1556.	1546.	1493.	1396.	1254.	1088.	931.	785.
	40.0<<	1578.	1573.	1562.	1500.	1401.	1265.	1107.	960.	825.
	37.5	1575.	1568.	1554.	1489.	1395.	1271.	1121.	983.	857.
	35.0	1571.	1563.	1547.	1478.	1388.	1276.	1135.	1006.	888.
	30.0	1529.	1519.	1498.	1435.	1356.	1261.	1147.	1038.	936.
	25.0	1451.	1441.	1420.	1366.	1301.	1226.	1139.	1054.	969.
	20.0	1344.	1337.	1322.	1284.	1237.	1183.	1121.	1055.	987.
	15.0	1242.	1237.	1227.	1202.	1172.	1137.	1092.	1044.	994.
	10.0	1151.	1148.	1142.	1127.	1107.	1083.	1053.	1023.	991.
	5.0	1054.	1052.	1050.	1042.	1033.	1023.	1010.	995.	980.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

CANDELA TABULATION		LATERAL ANGLE									
HOUSE SIDE		90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	2.	2.	2.	2.	2.	2.	2.	2.
	145.0	1.	1.	1.	1.	2.	2.	2.	2.	2.	2.
	135.0	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
	125.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	115.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	105.0	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	0.	0.	0.	0.	1.	1.	1.	1.	1.
V	82.5	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
E	80.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
R	77.5	4.	3.	1.	1.	1.	1.	1.	2.	2.	2.
T	75.0	6.	4.	1.	1.	1.	1.	2.	2.	2.	2.
I	72.5	34.	23.	2.	2.	1.	2.	2.	2.	2.	2.
C	70.0	62.	42.	2.	2.	2.	2.	2.	2.	3.	2.
A	67.5	104.	71.	4.	3.	2.	2.	3.	3.	3.	3.
L	65.0	146.	99.	7.	4.	3.	3.	3.	4.	4.	4.
	62.5	194.	138.	26.	11.	4.	4.	4.	5.	5.	5.
A	60.0	241.	176.	46.	18.	5.	5.	5.	6.	6.	6.
N	57.5	290.	221.	82.	32.	7.	7.	7.	7.	7.	7.
G	55.0	339.	266.	119.	45.	8.	8.	8.	8.	8.	8.
L	52.5	385.	312.	165.	66.	14.	11.	11.	11.	11.	10.
E	50.0	432.	358.	211.	86.	20.	14.	15.	14.	13.	12.
	47.5	479.	406.	260.	126.	46.	19.	20.	19.	18.	17.
	45.0	525.	453.	309.	166.	71.	24.	25.	24.	23.	22.
	42.5	573.	502.	360.	219.	113.	41.	35.	31.	30.	29.
	40.0<<	620.	551.	412.	272.	154.	58.	46.	39.	37.	37.
	37.5	663.	597.	463.	328.	209.	108.	74.	55.	50.	47.
	35.0	706.	642.	515.	384.	265.	158.	103.	71.	62.	57.
	30.0	778.	721.	609.	493.	385.	284.	212.	157.	120.	111.
	25.0	836.	788.	692.	594.	500.	412.	346.	293.	252.	239.
	20.0	881.	842.	765.	686.	610.	538.	482.	437.	401.	390.
	15.0	914.	885.	828.	769.	712.	659.	617.	582.	555.	546.
	10.0	938.	919.	881.	842.	805.	771.	743.	721.	703.	698.
	5.0	953.	943.	925.	906.	888.	872.	858.	847.	839.	837.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

HOUSE SIDE		LATERAL ANGLE									
		180.0	185.0	195.0	205.0	215.0	225.0	235.0	245.0	255.0	265.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.
	145.0	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.
	135.0	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.
	125.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.
	115.0	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.
	105.0	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.
V	82.5	1.	1.	1.	1.	1.	1.	0.	0.	0.	1.
E	80.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
R	77.5	2.	1.	1.	1.	1.	1.	1.	1.	1.	4.
T	75.0	2.	2.	1.	1.	1.	1.	1.	1.	1.	7.
I	72.5	2.	2.	2.	2.	1.	1.	1.	1.	1.	31.
C	70.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	55.
A	67.5	3.	3.	3.	3.	2.	2.	2.	4.	7.	89.
L	65.0	4.	4.	4.	3.	3.	2.	3.	5.	11.	122.
	62.5	5.	5.	4.	4.	4.	3.	3.	14.	35.	165.
A	60.0	6.	6.	5.	5.	5.	4.	4.	23.	59.	207.
N	57.5	7.	7.	7.	6.	6.	6.	6.	37.	100.	253.
G	55.0	8.	8.	8.	8.	8.	7.	8.	52.	140.	298.
L	52.5	10.	10.	10.	10.	10.	10.	16.	75.	187.	345.
E	50.0	12.	12.	12.	13.	13.	12.	25.	98.	234.	392.
	47.5	17.	17.	18.	18.	18.	18.	53.	142.	284.	440.
	45.0	21.	22.	23.	23.	23.	23.	81.	185.	333.	489.
	42.5	29.	29.	30.	30.	35.	43.	124.	238.	385.	538.
	40.0<<	36.	36.	37.	38.	46.	62.	167.	291.	436.	588.
	37.5	45.	47.	50.	55.	76.	115.	223.	348.	487.	633.
	35.0	55.	57.	63.	72.	107.	168.	280.	404.	539.	678.
	30.0	106.	111.	123.	163.	220.	296.	400.	512.	632.	753.
	25.0	233.	240.	255.	298.	355.	424.	516.	612.	713.	814.
	20.0	385.	391.	404.	442.	490.	549.	623.	701.	782.	863.
	15.0	542.	547.	558.	587.	623.	668.	722.	780.	841.	901.
	10.0	695.	698.	705.	724.	747.	776.	812.	850.	890.	929.
	5.0	835.	837.	840.	849.	861.	875.	892.	910.	929.	949.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

STREET SIDE		LATERAL ANGLE										
		270.0	275.0	285.0	295.0	305.0	315.0	325.0	335.0	345.0	355.0	360.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.
	145.0	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
	135.0	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.
	85.0	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
V	82.5	1.	1.	2.	9.	17.	26.	12.	4.	3.	3.	3.
E	80.0	1.	2.	3.	16.	32.	52.	23.	8.	6.	6.	6.
R	77.5	6.	18.	43.	99.	155.	212.	166.	126.	91.	87.	85.
T	75.0	10.	34.	83.	182.	278.	371.	310.	244.	175.	168.	164.
I	72.5	46.	85.	162.	267.	381.	503.	465.	428.	392.	385.	382.
C	70.0	82.	135.	242.	353.	484.	636.	621.	612.	608.	602.	600.
A	67.5	130.	189.	307.	448.	603.	771.	750.	735.	726.	726.	726.
L	65.0	178.	242.	371.	544.	722.	906.	879.	858.	844.	849.	852.
	62.5	230.	298.	436.	620.	805.	992.	984.	976.	969.	975.	978.
A	60.0	281.	354.	500.	696.	888.	1078.	1088.	1094.	1094.	1101.	1104.
N	57.5	329.	401.	545.	746.	944.	1138.	1171.	1190.	1195.	1202.	1206.
G	55.0	378.	448.	589.	796.	999.	1199.	1253.	1286.	1296.	1304.	1307.
L	52.5	424.	494.	633.	833.	1032.	1227.	1307.	1355.	1371.	1378.	1382.
E	50.0	470.	539.	676.	871.	1064.	1256.	1361.	1424.	1446.	1453.	1456.
	47.5	518.	587.	724.	904.	1085.	1267.	1388.	1463.	1490.	1497.	1500.
	45.0	566.	635.	772.	938.	1106.	1277.	1415.	1501.	1535.	1541.	1545.
	42.5	615.	681.	813.	965.	1123.	1287.	1422.	1510.	1552.	1558.	1561.
	40.0<<	664.	727.	855.	993.	1140.	1296.	1428.	1519.	1568.	1575.	1578.
	37.5	706.	765.	885.	1013.	1152.	1301.	1421.	1508.	1562.	1571.	1575.
	35.0	747.	803.	915.	1033.	1163.	1305.	1413.	1497.	1557.	1566.	1571.
	30.0	813.	861.	958.	1061.	1170.	1286.	1378.	1452.	1509.	1522.	1529.
	25.0	864.	905.	987.	1072.	1158.	1246.	1319.	1380.	1429.	1444.	1451.
	20.0	903.	936.	1002.	1070.	1135.	1197.	1251.	1294.	1328.	1338.	1344.
	15.0	931.	955.	1005.	1055.	1103.	1147.	1181.	1209.	1232.	1239.	1242.
	10.0	949.	965.	999.	1030.	1061.	1091.	1113.	1131.	1145.	1149.	1151.
	5.0	958.	967.	984.	999.	1013.	1026.	1036.	1044.	1051.	1053.	1054.
	0.0	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.	958.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	23
5- 10	67
10- 15	109
15- 20	146
20- 25	179
25- 30	206
30- 35	227
35- 40	242
40- 45	251
45- 50	253
50- 55	245
55- 60	227
60- 65	196
65- 70	151
70- 75	93
75- 80	34
80- 85	4
85- 90	0
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	90
0- 20	345
0- 30	730
0- 40	1198
0- 50	1702
0- 60	2175
0- 70	2522
0- 80	2649
0- 90	2653
0-100	2654
0-110	2654
0-120	2654
0-130	2655
0-140	2656
0-150	2656
0-160	2657
0-170	2657
0-180	2657