

REPORT NUMBER: SCALED FROM ITL79692

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ISSUE DATE: 02/26/14

CATALOG NUMBER: BAYLED78YW+GDBAYLED78FP (with standoffs installed)

LUMINAIRE: CAST 2-PIECE WHITE PAINTED FINNED METAL HOUSING, 3 FLAT METAL HEAT SINKS WITH 3 EXTRUDED METAL HEAT SINKS, 3 CIRCUIT BOARDS EACH WITH 1 LED AND MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, MOLDED PLASTIC TRIM WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST WHITE PAINTED METAL LENS FRAME, WITH FROSTED POLYSHIELD IN FRONT HOLDED BY 4 METAL SHAFTS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION						FLUX
	0.0	45.0	90.0	135.0	180.0	
0	2462	2462	2462	2462	2462	
5	2466	2463	2421	2464	2465	232
15	2317	2311	2308	2311	2312	644
25	2000	2004	1996	2001	2004	909
35	1604	1602	1596	1567	1606	992
45	1182	1188	1182	1162	1184	902
55	858	831	815	797	835	740
65	531	644	564	535	627	564
75	711	329	374	551	322	485
85	116	120	118	115	128	170
90	14	18	18	17	17	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1785	31.7
0- 40	2777	49.2
0- 60	4420	78.4
0- 90	5640	100.0
90-180	0	0.0
0-180	5640	100.0

TOTAL INPUT WATTS = 88.2

EFFICACY = 63.9 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

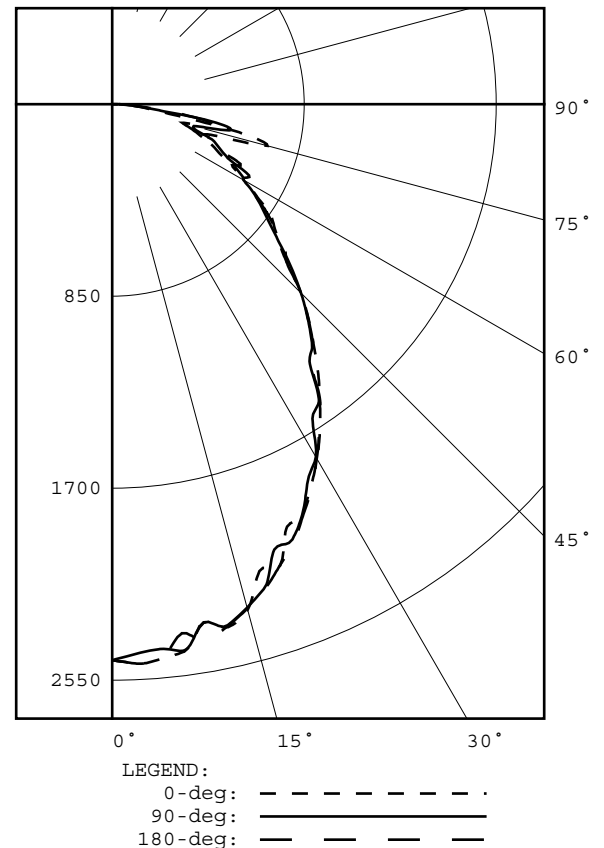
SPACING CRITERIA : 1.1 1.1 1.1

LUMINOUS DIAMETER: 12.500

HEIGHT OF SIDE : 1.378

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	90-DEG	180-DEG
45	18515.	18515.	18545.
55	15729.	14937.	15316.
65	12198.	12952.	14396.
75	22773.	11987.	10305.
85	6473.	6578.	7100.



Checked (null)
Approved (null)

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ADDITIONAL INFORMATION

LAMP: THREE WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), TILTED
30-DEGREES FROM VERTICAL BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS: 88.2 W AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE: 28.25 FEET

PREPARED FOR: RAB LIGHTING, INC

LED DRIVER: THREE RAB RDF25U7-02

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PLANE : 0-DEG 90-DEG

BEAM ANGLE (50%) : 87.2 X 87.1 DEGREES

FIELD ANGLE (10%) : 163.7 X 164.3 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	2462	2462	2462	2462	2462	2462	2462	2462	2462
2.5	2479	2437	2435	2479	2435	2436	2479	2395	2479
5.0	2466	2464	2463	2463	2421	2464	2464	2465	2465
7.5	2445	2444	2442	2442	2441	2403	2443	2445	2363
10.0	2331	2412	2331	2411	2329	2372	2412	2372	2412
12.5	2372	2330	2287	2326	2363	2369	2367	2331	2367
15.0	2317	2312	2311	2308	2308	2273	2311	2276	2312
17.5	2168	2249	2205	2242	2246	2246	2248	2211	2250
20.0	2174	2141	2170	2133	2098	2097	2131	2172	2173
22.5	2024	2062	2089	2020	2085	2087	2055	2060	2100
25.0	2000	1942	2004	1935	1996	1929	2001	2005	2004
27.5	1906	1915	1845	1878	1876	1875	1908	1914	1914
30.0	1814	1788	1786	1777	1805	1810	1780	1788	1812
32.5	1712	1716	1707	1710	1651	1702	1655	1711	1709
35.0	1604	1611	1602	1575	1596	1599	1567	1555	1606
37.5	1498	1497	1499	1491	1436	1492	1488	1499	1442
40.0	1387	1371	1367	1363	1377	1364	1358	1394	1384
42.5	1287	1262	1266	1257	1280	1234	1255	1287	1284
45.0	1182	1150	1188	1161	1182	1141	1162	1165	1184
47.5	1058	1093	1091	1068	1079	1047	1080	1089	1055
50.0	970	970	1002	980	975	967	941	999	996
52.5	908	899	901	913	888	908	907	891	915
55.0	858	836	831	828	815	831	797	826	835
57.5	759	744	755	744	753	744	749	737	751
60.0	684	705	685	683	671	711	719	663	678
62.5	620	653	645	637	683	596	640	644	602
65.0	531	537	644	634	564	535	535	607	627
67.5	482	489	489	489	516	479	480	512	480
70.0	421	535	419	438	480	416	421	436	423
72.5	443	461	373	377	396	477	501	370	372
75.0	711	425	329	339	374	638	551	323	322
77.5	575	524	560	549	533	547	541	519	467
80.0	288	403	510	525	465	326	377	466	425
82.5	166	178	259	303	212	165	175	224	272
85.0	116	120	120	124	118	114	115	111	128
87.5	66	69	65	71	64	67	61	65	72
90.0	14	20	18	21	18	17	17	15	17

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ZONAL LUMEN SUMMARY

0- 5	59.
5- 10	173.
10- 15	278.
15- 20	366.
20- 25	432.
25- 30	477.
30- 35	498.
35- 40	494.
40- 45	469.
45- 50	434.
50- 55	392.
55- 60	348.
60- 65	309.
65- 70	254.
70- 75	225.
75- 80	259.
80- 85	133.
85- 90	37.

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5-DEGREE

ZONAL LUMEN SUMMARY

0- 5	59
5- 10	173
10- 15	278
15- 20	366
20- 25	432
25- 30	477
30- 35	498
35- 40	494
40- 45	469
45- 50	434
50- 55	392
55- 60	348
60- 65	309
65- 70	254
70- 75	225
75- 80	259
80- 85	133
85- 90	37
90- 95	2
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	232
0- 20	876
0- 30	1785
0- 40	2777
0- 50	3680
0- 60	4420
0- 70	4983
0- 80	5468
0- 90	5638
0-100	5640
0-110	5640
0-120	5640
0-130	5640
0-140	5640
0-150	5640
0-160	5640
0-170	5640
0-180	5640

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	40	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES 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.

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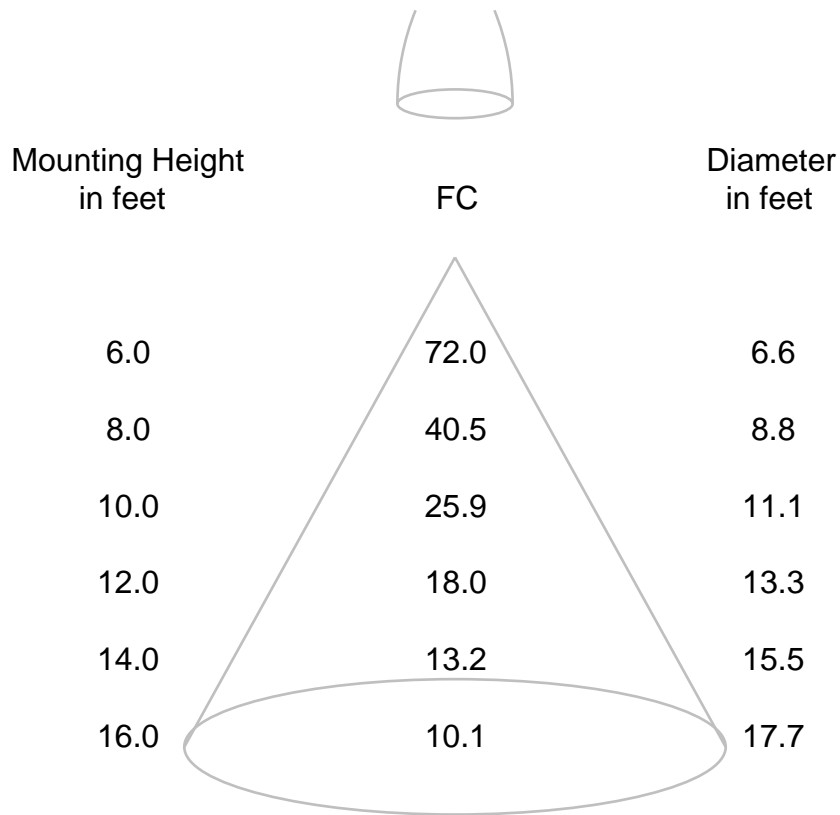
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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)



Note: The candela values used to generate this diagram were obtained by averaging the photometric data into a single plane.