

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

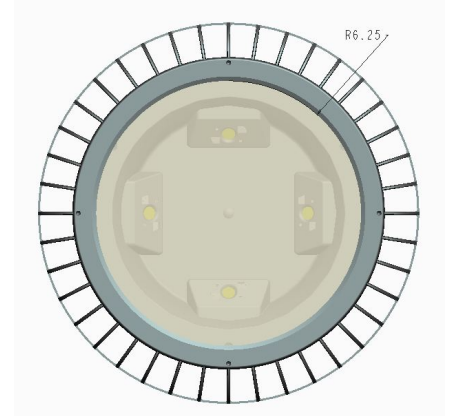
CATALOG NUMBER: BAYLED104NW/D10+GDBAYLED78FP (Clear Flat Glass Lens with Frosted Polyshield - standoffs installed)

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	2929	2929	2929	2929	2929	
5	2914	2914	2915	2914	2914	277
15	2788	2790	2790	2789	2789	786
25	2544	2542	2542	2544	2541	1171
35	2213	2214	2214	2215	2219	1385
45	1829	1830	1836	1831	1835	1415
55	1441	1443	1444	1441	1442	1291
65	1050	1105	1026	1090	1040	1041
75	574	710	814	724	585	765
85	140	133	132	130	144	210
90	16	19	19	21	21	
95	83	88	86	88	83	92
105	148	164	167	164	148	164
115	111	114	111	113	112	113
125	68	69	66	69	68	62
135	37	37	36	37	36	29
145	11	11	12	11	12	8
155	10	9	9	9	9	4
165	9	9	9	9	9	2
175	4	4	5	4	4	0
180	3	3	3	3	3	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2235	25.3
0- 40	3620	41.1
0- 60	6325	71.7
0- 90	8342	94.6
90-120	369	4.2
90-130	431	4.9
90-150	469	5.3
90-180	476	5.4
0-180	8818	100.0

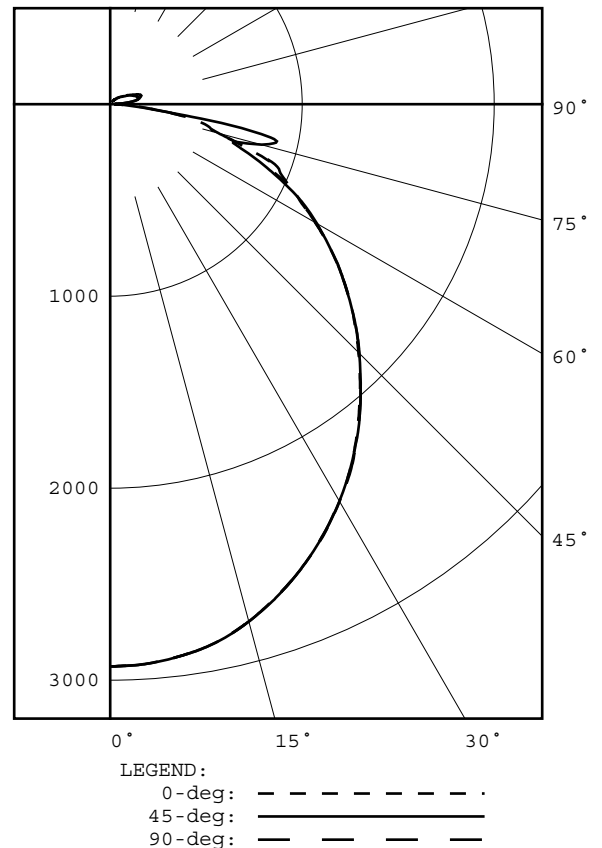
TOTAL INPUT WATTS = 112.16

EFFICACY = 78.6 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.2 1.2



Checked X.CAO
Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

LUMINAIRE: CAST 2-PIECE WHITE PAINTED FINNDED METAL HOUSING, 4 FLAT METAL HEAT SINKS WITH 4 EXTRUDED METAL HEAT SINKS, 4 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.
LAMPS: FOUR 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: 112.16 W AT 277.0 VOLTS
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE: 28.25 FEET
PREPARED FOR: RAB LIGHTING INC.
LED DRIVER: TWO RD-052-A1400-C
ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 108.8 X 108.9 DEGREES
FIELD ANGLE (10%) : 164.4 X 164.4 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2929	2929	2929	2929	2929
5.0	2914	2914	2915	2914	2914
10.0	2872	2872	2873	2873	2872
15.0	2788	2790	2790	2789	2789
20.0	2676	2678	2677	2678	2676
25.0	2544	2542	2542	2544	2541
30.0	2390	2387	2388	2390	2387
35.0	2213	2214	2214	2215	2219
40.0	2022	2024	2028	2024	2028
45.0	1829	1830	1836	1831	1835
50.0	1640	1634	1639	1635	1640
55.0	1441	1443	1444	1441	1442
60.0	1233	1263	1244	1292	1234
65.0	1050	1105	1026	1090	1040
70.0	900	788	785	786	913
75.0	574	710	814	724	585
80.0	428	584	657	584	422
85.0	140	133	132	130	144
90.0	16	19	19	21	21
95.0	83	88	86	88	83
100.0	145	153	150	152	144
105.0	148	164	167	164	148
110.0	130	144	150	145	130
115.0	111	114	111	113	112
120.0	91	88	83	88	91
125.0	68	69	66	69	68
130.0	50	52	51	52	50
135.0	37	37	36	37	36
140.0	23	22	23	22	23
145.0	11	11	12	11	12
150.0	9	9	9	9	9
155.0	10	9	9	9	9
160.0	10	9	10	9	10
165.0	9	9	9	9	9
170.0	7	7	7	7	7
175.0	4	4	5	4	4
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

0- 5	70.
5- 10	207.
10- 15	336.
15- 20	450.
20- 25	547.
25- 30	624.
30- 35	678.
35- 40	707.
40- 45	714.
45- 50	701.
50- 55	669.
55- 60	622.
60- 65	571.
65- 70	470.
70- 75	393.
75- 80	372.
80- 85	173.
85- 90	37.
90- 95	25.
95-100	67.
100-105	84.
105-110	80.
110-115	65.
115-120	48.
120-125	36.
125-130	26.
130-135	18.
135-140	11.
140-145	6.
145-150	3.
150-155	2.
155-160	2.
160-165	2.
165-170	1.
170-175	0.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	70
5- 10	207
10- 15	336
15- 20	450
20- 25	547
25- 30	624
30- 35	678
35- 40	707
40- 45	714
45- 50	701
50- 55	669
55- 60	622
60- 65	571
65- 70	470
70- 75	393
75- 80	372
80- 85	173
85- 90	37
90- 95	25
95-100	67
100-105	84
105-110	80
110-115	65
115-120	48
120-125	36
125-130	26
130-135	18
135-140	11
140-145	6
145-150	3
150-155	2
155-160	2
160-165	2
165-170	1
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	277
0- 20	1063
0- 30	2235
0- 40	3620
0- 50	5034
0- 60	6325
0- 70	7366
0- 80	8131
0- 90	8342
0-100	8434
0-110	8598
0-120	8711
0-130	8773
0-140	8802
0-150	8810
0-160	8815
0-170	8817
0-180	8818

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

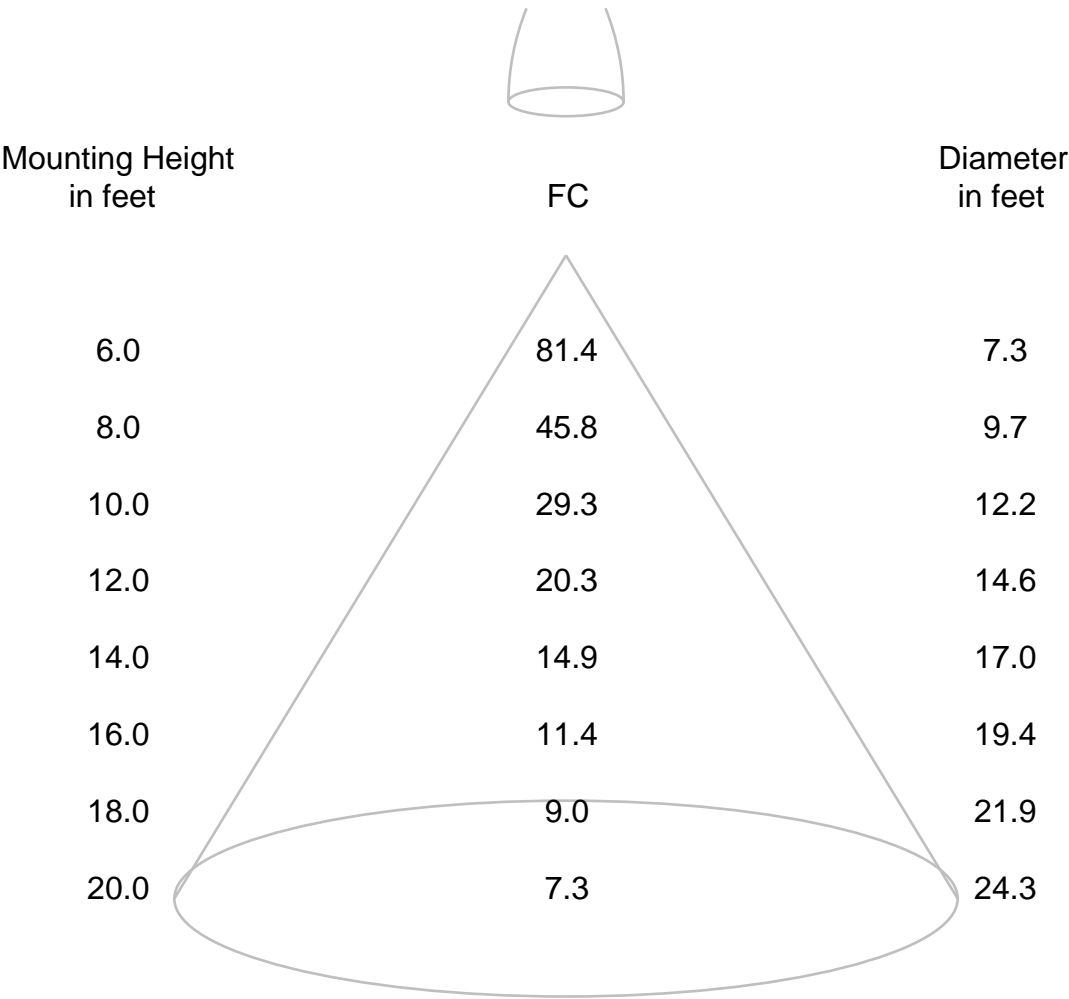
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	107	102	97	93	104	99	95	91	94	90	87	89	86	84	85	82	80	78
2	97	88	81	75	94	86	79	74	82	76	71	77	73	69	74	70	67	64
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	60	56	54
4	81	68	59	53	78	67	58	52	63	56	51	60	54	49	58	52	48	46
5	74	61	52	45	72	60	51	45	57	49	44	54	48	43	52	46	42	39
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	37	31	57	44	36	31	43	35	30	41	35	30	39	34	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	31	27	36	31	26	25
10	52	38	31	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

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.

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.