

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

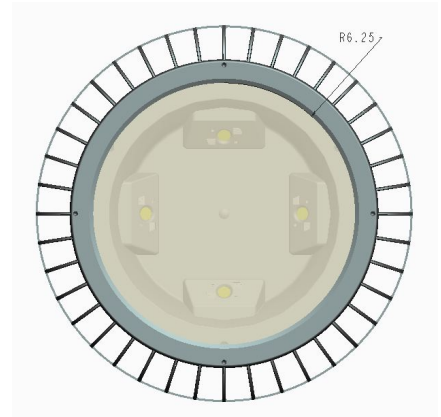
CATALOG NUMBER: BAYLED104YW+GDBAYLED78FP (Clear Flat Glass Lens with Frosted Polyshield - standoffs installed)

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	2840	2840	2840	2840	2840	
5	2826	2826	2826	2826	2826	268
15	2704	2706	2706	2705	2705	763
25	2467	2465	2465	2467	2464	1136
35	2147	2147	2147	2148	2152	1343
45	1774	1775	1780	1776	1779	1372
55	1398	1399	1400	1398	1399	1252
65	1019	1072	995	1057	1008	1010
75	557	688	789	702	568	742
85	136	129	128	126	140	204
90	16	18	18	20	20	
95	80	86	84	86	80	89
105	144	159	162	159	144	159
115	108	110	108	109	109	110
125	66	67	64	67	66	60
135	36	36	35	36	35	28
145	11	11	12	11	12	8
155	10	9	9	9	9	4
165	8	8	8	8	8	2
175	4	4	5	4	4	0
180	3	3	3	3	3	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2167	25.3
0- 40	3510	41.1
0- 60	6134	71.7
0- 90	8089	94.6
90-120	358	4.2
90-130	418	4.9
90-150	455	5.3
90-180	462	5.4
0-180	8551	100.0

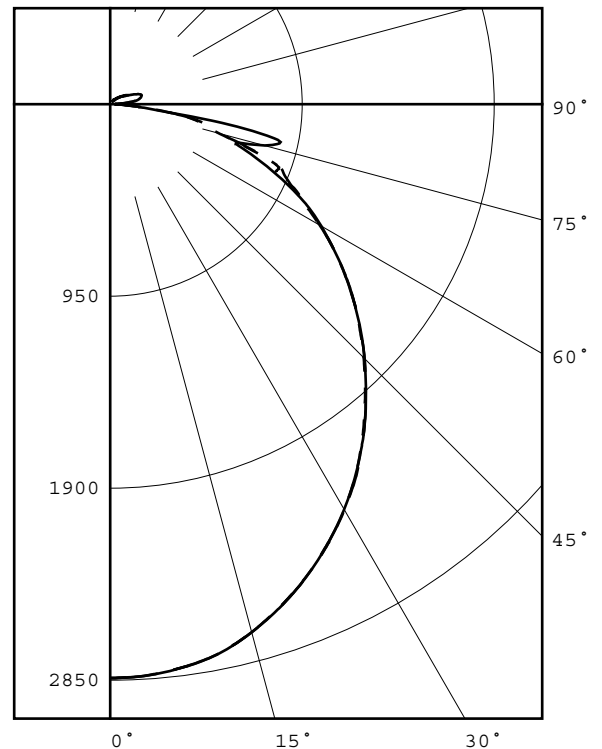
TOTAL INPUT WATTS = 121.3

EFFICACY = 70.5 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.2 1.2



LEGEND:

0-deg: - - - - -
 45-deg: = = = = =
 90-deg: _ _ _ _ _

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: 121.3 W AT 120.0 VOLTS
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE: 28.25 FEET
PREPARED FOR: RAB LIGHTING INC.
LED DRIVER: FOUR RAB RD26
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	2840	2840	2840	2840	2840
5.0	2826	2826	2826	2826	2826
10.0	2785	2785	2786	2786	2785
15.0	2704	2706	2706	2705	2705
20.0	2595	2597	2596	2597	2596
25.0	2467	2465	2465	2467	2464
30.0	2318	2315	2316	2318	2315
35.0	2147	2147	2147	2148	2152
40.0	1961	1963	1967	1963	1966
45.0	1774	1775	1780	1776	1779
50.0	1591	1584	1590	1585	1591
55.0	1398	1399	1400	1398	1399
60.0	1196	1225	1206	1253	1197
65.0	1019	1072	995	1057	1008
70.0	873	765	761	762	885
75.0	557	688	789	702	568
80.0	415	567	637	567	409
85.0	136	129	128	126	140
90.0	16	18	18	20	20
95.0	80	86	84	86	80
100.0	141	148	145	147	140
105.0	144	159	162	159	144
110.0	126	140	145	141	126
115.0	108	110	108	109	109
120.0	88	86	81	86	88
125.0	66	67	64	67	66
130.0	49	51	50	51	49
135.0	36	36	35	36	35
140.0	22	21	22	21	22
145.0	11	11	12	11	12
150.0	8	8	8	8	8
155.0	10	9	9	9	9
160.0	10	9	10	9	10
165.0	8	8	8	8	8
170.0	6	6	6	6	6
175.0	4	4	5	4	4
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

0- 5	68.
5- 10	201.
10- 15	326.
15- 20	437.
20- 25	531.
25- 30	605.
30- 35	657.
35- 40	686.
40- 45	692.
45- 50	680.
50- 55	649.
55- 60	603.
60- 65	554.
65- 70	456.
70- 75	381.
75- 80	360.
80- 85	168.
85- 90	36.
90- 95	24.
95-100	65.
100-105	82.
105-110	78.
110-115	63.
115-120	47.
120-125	35.
125-130	25.
130-135	17.
135-140	11.
140-145	5.
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	68
5- 10	201
10- 15	326
15- 20	437
20- 25	531
25- 30	605
30- 35	657
35- 40	686
40- 45	692
45- 50	680
50- 55	649
55- 60	603
60- 65	554
65- 70	456
70- 75	381
75- 80	360
80- 85	168
85- 90	36
90- 95	24
95-100	65
100-105	82
105-110	78
110-115	63
115-120	47
120-125	35
125-130	25
130-135	17
135-140	11
140-145	5
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	268
0- 20	1031
0- 30	2167
0- 40	3510
0- 50	4882
0- 60	6134
0- 70	7144
0- 80	7886
0- 90	8089
0-100	8179
0-110	8338
0-120	8448
0-130	8508
0-140	8536
0-150	8544
0-160	8548
0-170	8551
0-180	8551

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

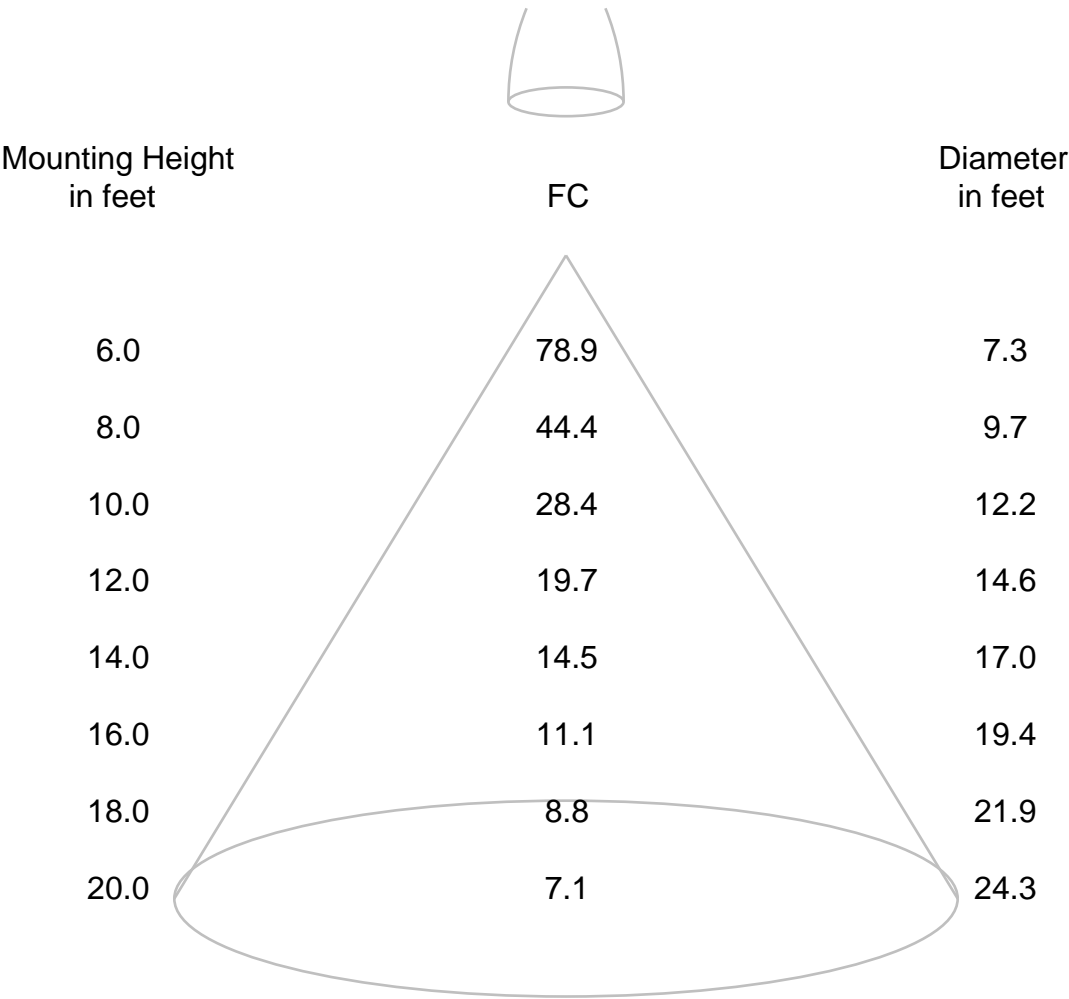
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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.