

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: BAYLED104W+GDBAYLED78FP (Clear Flat Glass Lens with Frosted Polyshield - standoffs installed)

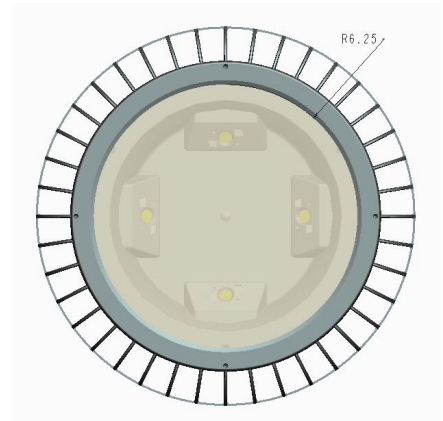
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	3103	3103	3103	3103	3103
5	3086	3086	3087	3086	3086
15	2954	2956	2956	2955	2955
25	2695	2692	2692	2695	2691
35	2345	2346	2346	2347	2351
45	1938	1939	1945	1940	1944
55	1527	1529	1530	1527	1528
65	1113	1171	1086	1155	1102
75	608	752	862	767	620
85	149	141	140	138	153
90	17	20	20	22	22
95	87	93	91	93	87
105	157	174	177	174	157
115	118	121	118	120	119
125	72	73	70	73	72
135	39	39	38	39	38
145	12	12	13	12	13
155	11	10	10	10	10
165	9	9	9	9	9
175	4	4	5	4	4
180	3	3	3	3	3

### FLUX

293
833
1241
1467
1498
1368
1103
810
223
98
174
120
66
30
9
5
3
1



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2367	25.3
0- 40	3834	41.1
0- 60	6701	71.7
0- 90	8836	94.6
90-120	391	4.2
90-130	457	4.9
90-150	496	5.3
90-180	504	5.4
0-180	9341	100.0

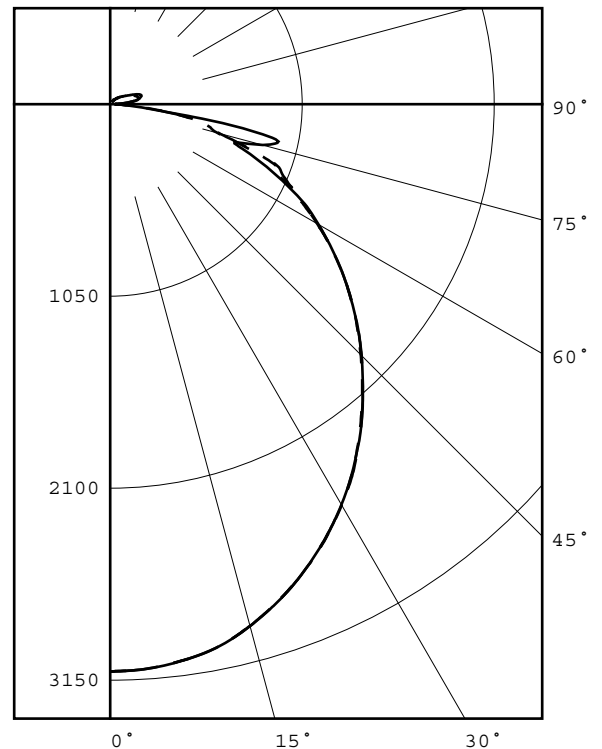
TOTAL INPUT WATTS = 123

EFFICACY = 75.9 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: 123 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	3103	3103	3103	3103	3103
5.0	3086	3086	3087	3086	3086
10.0	3042	3042	3043	3043	3042
15.0	2954	2956	2956	2955	2955
20.0	2834	2837	2836	2837	2835
25.0	2695	2692	2692	2695	2691
30.0	2532	2529	2530	2532	2529
35.0	2345	2346	2346	2347	2351
40.0	2142	2144	2149	2144	2148
45.0	1938	1939	1945	1940	1944
50.0	1738	1731	1737	1732	1738
55.0	1527	1529	1530	1527	1528
60.0	1307	1338	1318	1369	1308
65.0	1113	1171	1086	1155	1102
70.0	954	835	831	832	967
75.0	608	752	862	767	620
80.0	453	619	695	619	447
85.0	149	141	140	138	153
90.0	17	20	20	22	22
95.0	87	93	91	93	87
100.0	154	162	159	161	153
105.0	157	174	177	174	157
110.0	138	153	159	154	138
115.0	118	121	118	120	119
120.0	96	93	88	93	96
125.0	72	73	70	73	72
130.0	53	55	54	55	53
135.0	39	39	38	39	38
140.0	24	23	24	23	24
145.0	12	12	13	12	13
150.0	9	9	9	9	9
155.0	11	10	10	10	10
160.0	11	10	11	10	11
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	74.
5- 10	219.
10- 15	356.
15- 20	477.
20- 25	580.
25- 30	661.
30- 35	718.
35- 40	749.
40- 45	756.
45- 50	743.
50- 55	709.
55- 60	659.
60- 65	605.
65- 70	498.
70- 75	417.
75- 80	394.
80- 85	184.
85- 90	39.
90- 95	26.
95-100	71.
100-105	89.
105-110	85.
110-115	68.
115-120	51.
120-125	38.
125-130	28.
130-135	19.
135-140	12.
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	74
5- 10	219
10- 15	356
15- 20	477
20- 25	580
25- 30	661
30- 35	718
35- 40	749
40- 45	756
45- 50	743
50- 55	709
55- 60	659
60- 65	605
65- 70	498
70- 75	417
75- 80	394
80- 85	184
85- 90	39
90- 95	26
95-100	71
100-105	89
105-110	85
110-115	68
115-120	51
120-125	38
125-130	28
130-135	19
135-140	12
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	293
0- 20	1126
0- 30	2367
0- 40	3834
0- 50	5333
0- 60	6701
0- 70	7803
0- 80	8614
0- 90	8836
0-100	8934
0-110	9108
0-120	9228
0-130	9293
0-140	9324
0-150	9333
0-160	9337
0-170	9340
0-180	9341

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### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

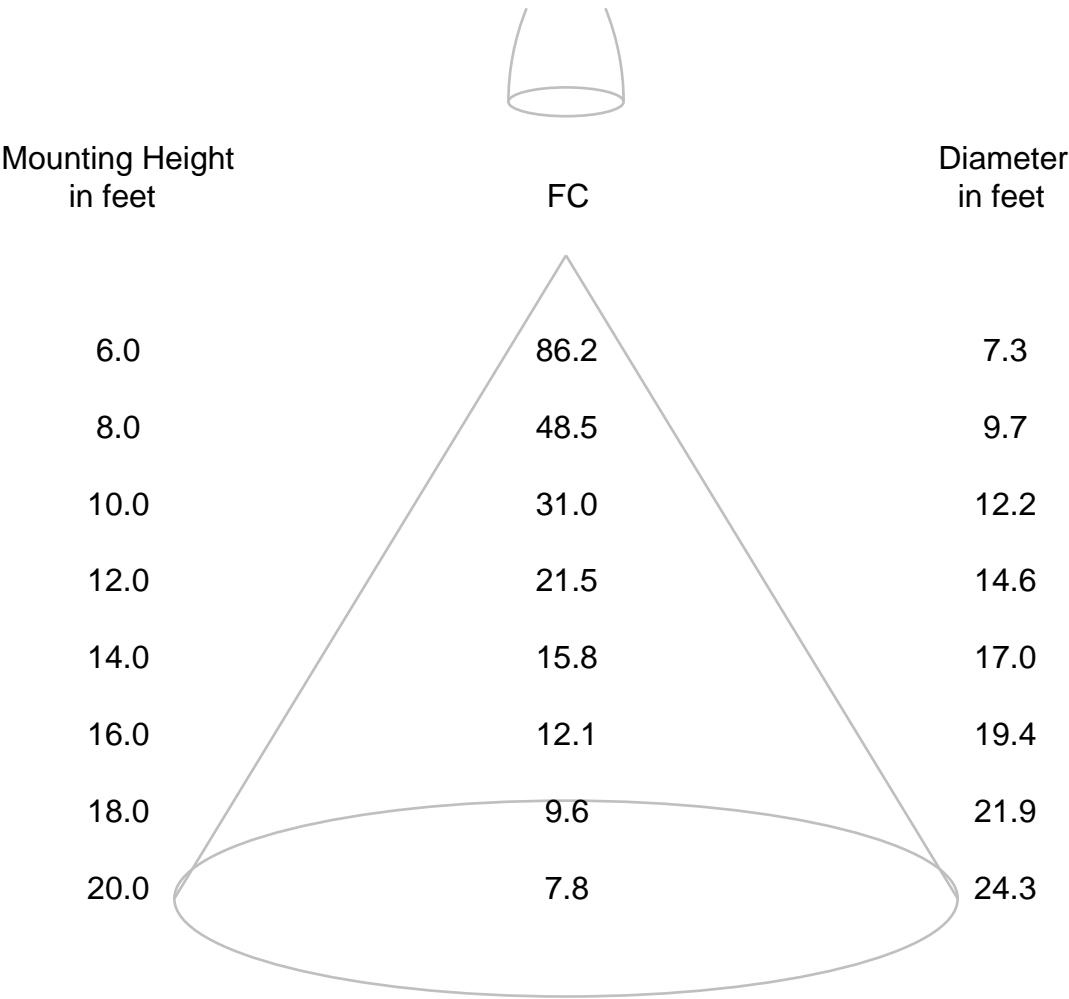
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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.