

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

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

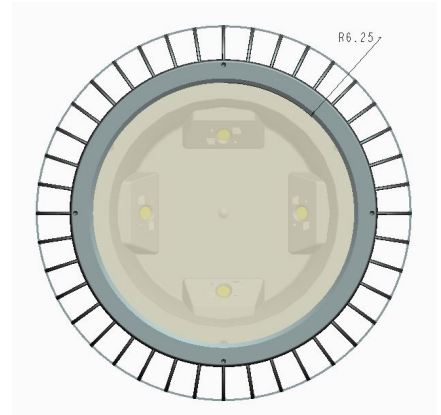
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1420	1420	1420	1420	1420
5	1413	1413	1413	1413	1413
15	1352	1353	1353	1353	1353
25	1233	1232	1232	1233	1232
35	1073	1074	1074	1074	1076
45	887	887	890	888	890
55	699	700	700	699	699
65	509	536	497	529	504
75	278	344	395	351	284
85	68	64	64	63	70
90	8	9	9	10	10
95	40	43	42	43	40
105	72	80	81	80	72
115	54	55	54	55	54
125	33	34	32	34	33
135	18	18	17	18	17
145	6	6	6	6	6
155	5	5	5	5	5
165	4	4	4	4	4
175	2	2	2	2	2
180	1	1	1	1	1

### FLUX

134
381
568
672
686
626
505
371
102
45
80
55
30
14
4
2
1
0



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1084	25.3
0- 40	1755	41.1
0- 60	3067	71.7
0- 90	4045	94.6
90-120	179	4.2
90-130	209	4.9
90-150	227	5.3
90-180	231	5.4
0-180	4276	100.0

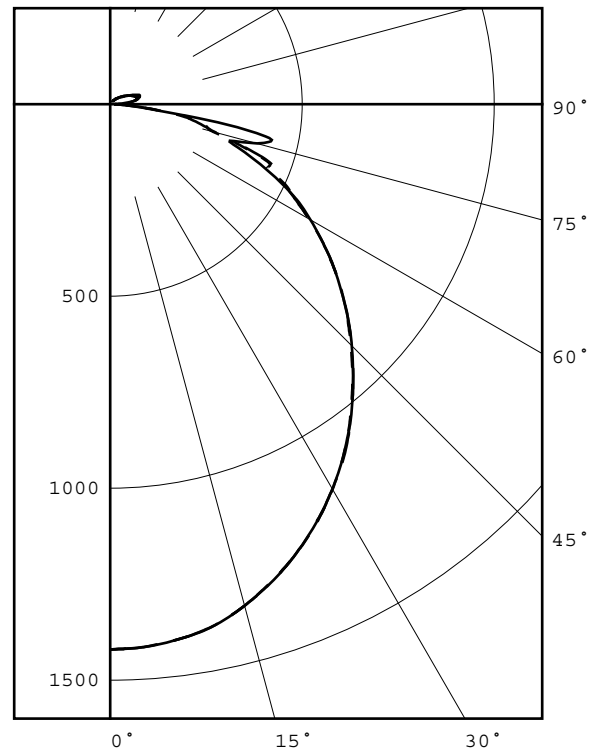
TOTAL INPUT WATTS = 60.7

EFFICACY = 70.4 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, 2 FLAT METAL HEAT SINKS WITH 2 EXTRUDED METAL HEAT SINKS, 2 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: TWO 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: 60.7 W AT 120.0 VOLTS  
TEST PROCEDURE: IESNA LM-79-08  
TEST DISTANCE: 28.25 FEET  
PREPARED FOR: RAB LIGHTING INC.  
LED DRIVER: TWO 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	1420	1420	1420	1420	1420
5.0	1413	1413	1413	1413	1413
10.0	1393	1393	1393	1393	1393
15.0	1352	1353	1353	1353	1353
20.0	1297	1299	1298	1299	1298
25.0	1233	1232	1232	1233	1232
30.0	1159	1157	1158	1159	1157
35.0	1073	1074	1074	1074	1076
40.0	980	981	984	981	983
45.0	887	887	890	888	890
50.0	795	792	795	793	795
55.0	699	700	700	699	699
60.0	598	612	603	627	599
65.0	509	536	497	529	504
70.0	437	382	380	381	443
75.0	278	344	395	351	284
80.0	207	283	318	283	205
85.0	68	64	64	63	70
90.0	8	9	9	10	10
95.0	40	43	42	43	40
100.0	70	74	73	74	70
105.0	72	80	81	80	72
110.0	63	70	73	70	63
115.0	54	55	54	55	54
120.0	44	43	40	43	44
125.0	33	34	32	34	33
130.0	24	25	25	25	24
135.0	18	18	17	18	17
140.0	11	11	11	11	11
145.0	6	6	6	6	6
150.0	4	4	4	4	4
155.0	5	5	5	5	5
160.0	5	5	5	5	5
165.0	4	4	4	4	4
170.0	3	3	3	3	3
175.0	2	2	2	2	2
180.0	1	1	1	1	1

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### ZONAL LUMEN SUMMARY

0- 5	34.
5- 10	100.
10- 15	163.
15- 20	218.
20- 25	265.
25- 30	303.
30- 35	329.
35- 40	343.
40- 45	346.
45- 50	340.
50- 55	324.
55- 60	302.
60- 65	277.
65- 70	228.
70- 75	191.
75- 80	180.
80- 85	84.
85- 90	18.
90- 95	12.
95-100	33.
100-105	41.
105-110	39.
110-115	31.
115-120	24.
120-125	17.
125-130	13.
130-135	9.
135-140	5.
140-145	3.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	0.
170-175	0.
175-180	0.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	34
5- 10	100
10- 15	163
15- 20	218
20- 25	265
25- 30	303
30- 35	329
35- 40	343
40- 45	346
45- 50	340
50- 55	324
55- 60	302
60- 65	277
65- 70	228
70- 75	191
75- 80	180
80- 85	84
85- 90	18
90- 95	12
95-100	33
100-105	41
105-110	39
110-115	31
115-120	24
120-125	17
125-130	13
130-135	9
135-140	5
140-145	3
145-150	1
150-155	1
155-160	1
160-165	1
165-170	0
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	134
0- 20	516
0- 30	1084
0- 40	1755
0- 50	2441
0- 60	3067
0- 70	3572
0- 80	3943
0- 90	4045
0-100	4089
0-110	4169
0-120	4224
0-130	4254
0-140	4268
0-150	4272
0-160	4274
0-170	4275
0-180	4276

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### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

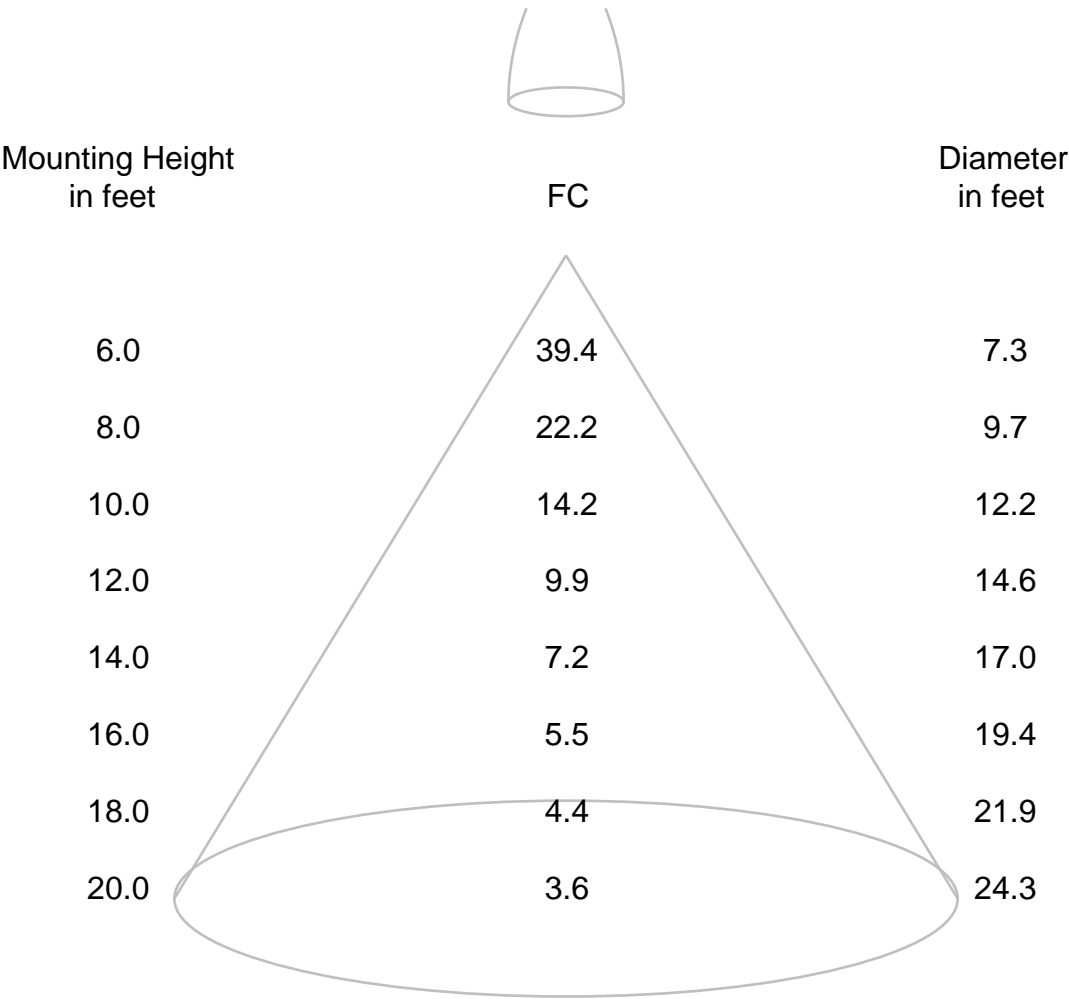
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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.