

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

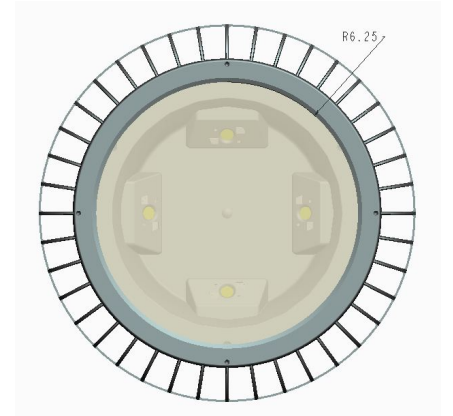
CATALOG NUMBER: BAYLED104W/BL+GDBAYLED78FP (Clear Flat Glass Lens with Frosted Polyshield - standoffs installed)

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1551	1551	1551	1551	1551	
5	1543	1543	1544	1543	1543	147
15	1477	1478	1478	1477	1477	417
25	1347	1346	1346	1347	1346	620
35	1172	1173	1173	1173	1175	734
45	969	969	972	970	972	749
55	763	764	765	763	764	684
65	556	585	543	577	551	551
75	304	376	431	383	310	405
85	74	70	70	69	76	111
90	9	10	10	11	11	
95	44	47	46	47	44	49
105	78	87	88	87	78	87
115	59	60	59	60	59	60
125	36	37	35	37	36	33
135	20	20	19	20	19	15
145	6	6	7	6	7	4
155	6	5	5	5	5	2
165	5	5	5	5	5	1
175	2	2	3	2	2	0
180	2	2	2	2	2	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1184	25.3
0- 40	1917	41.1
0- 60	3350	71.7
0- 90	4418	94.6
90-120	196	4.2
90-130	229	4.9
90-150	248	5.3
90-180	252	5.4
0-180	4670	100.0

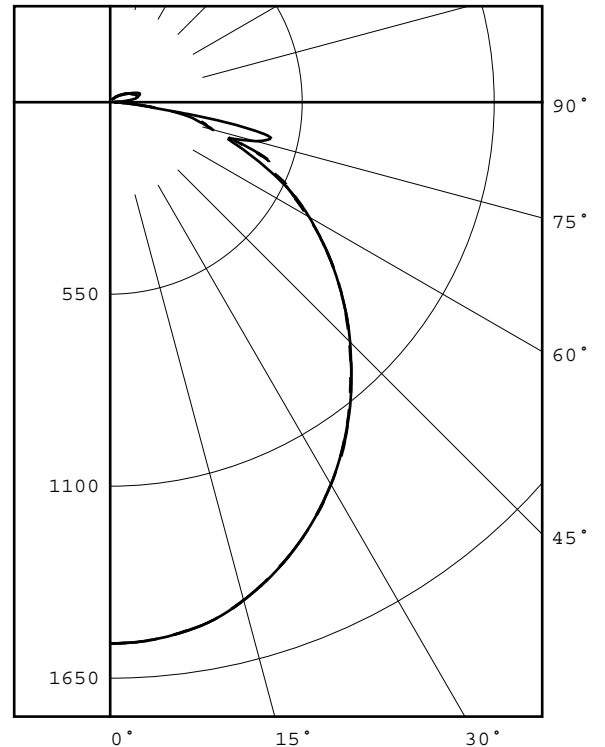
TOTAL INPUT WATTS = 61.5

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, 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: 61.5 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	1551	1551	1551	1551	1551
5.0	1543	1543	1544	1543	1543
10.0	1521	1521	1522	1522	1521
15.0	1477	1478	1478	1477	1477
20.0	1417	1419	1418	1419	1418
25.0	1347	1346	1346	1347	1346
30.0	1266	1264	1265	1266	1264
35.0	1172	1173	1173	1173	1175
40.0	1071	1072	1074	1072	1074
45.0	969	969	972	970	972
50.0	869	865	868	866	869
55.0	763	764	765	763	764
60.0	653	669	659	684	654
65.0	556	585	543	577	551
70.0	477	418	416	416	483
75.0	304	376	431	383	310
80.0	227	310	348	310	224
85.0	74	70	70	69	76
90.0	9	10	10	11	11
95.0	44	47	46	47	44
100.0	77	81	79	80	76
105.0	78	87	88	87	78
110.0	69	76	79	77	69
115.0	59	60	59	60	59
120.0	48	47	44	47	48
125.0	36	37	35	37	36
130.0	27	28	27	28	27
135.0	20	20	19	20	19
140.0	12	12	12	12	12
145.0	6	6	7	6	7
150.0	5	5	5	5	5
155.0	6	5	5	5	5
160.0	6	5	6	5	6
165.0	5	5	5	5	5
170.0	4	4	4	4	4
175.0	2	2	3	2	2
180.0	2	2	2	2	2

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### ZONAL LUMEN SUMMARY

0- 5	37.
5- 10	110.
10- 15	178.
15- 20	239.
20- 25	290.
25- 30	330.
30- 35	359.
35- 40	375.
40- 45	378.
45- 50	371.
50- 55	354.
55- 60	329.
60- 65	302.
65- 70	249.
70- 75	208.
75- 80	197.
80- 85	92.
85- 90	20.
90- 95	13.
95-100	36.
100-105	45.
105-110	42.
110-115	34.
115-120	26.
120-125	19.
125-130	14.
130-135	9.
135-140	6.
140-145	3.
145-150	2.
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	37
5- 10	110
10- 15	178
15- 20	239
20- 25	290
25- 30	330
30- 35	359
35- 40	375
40- 45	378
45- 50	371
50- 55	354
55- 60	329
60- 65	302
65- 70	249
70- 75	208
75- 80	197
80- 85	92
85- 90	20
90- 95	13
95-100	36
100-105	45
105-110	42
110-115	34
115-120	26
120-125	19
125-130	14
130-135	9
135-140	6
140-145	3
145-150	2
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	147
0- 20	563
0- 30	1184
0- 40	1917
0- 50	2666
0- 60	3350
0- 70	3902
0- 80	4307
0- 90	4418
0-100	4467
0-110	4554
0-120	4614
0-130	4647
0-140	4662
0-150	4666
0-160	4669
0-170	4670
0-180	4670

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### COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

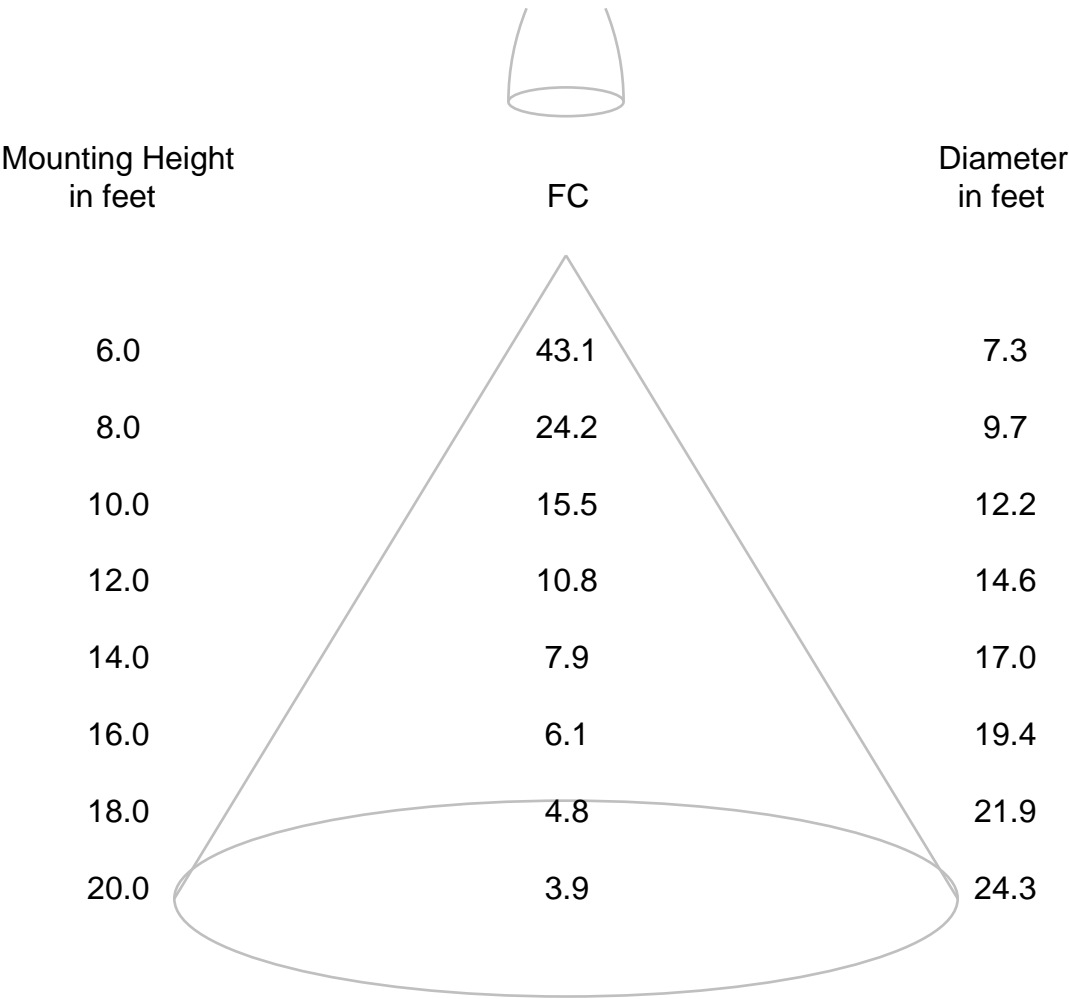
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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.