

REPORT NUMBER: SCALED FROM RAB00932

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ISSUE DATE: 06/09/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: BAYLED104W/D10+GDBAYLED78FP (Clear Flat Glass Lens with Frosted Polyshield - standoffs installed)

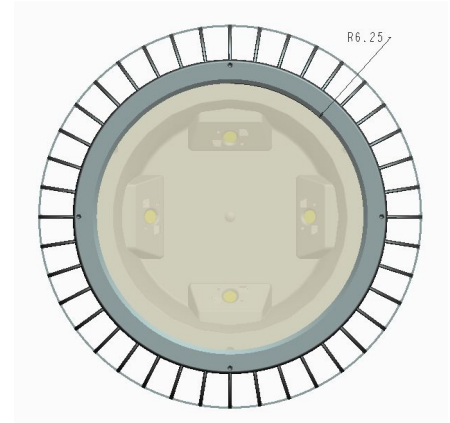
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2950	2950	2950	2950	2950
5	2935	2935	2935	2935	2935
15	2808	2810	2810	2809	2809
25	2562	2560	2560	2562	2559
35	2229	2230	2230	2231	2235
45	1842	1843	1849	1844	1848
55	1451	1453	1454	1451	1452
65	1058	1113	1033	1098	1047
75	578	715	820	729	590
85	141	134	133	131	145
90	16	19	19	21	21
95	83	89	87	89	83
105	149	165	168	165	149
115	112	115	112	114	113
125	69	70	67	70	69
135	37	37	36	37	36
145	11	11	12	11	12
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

279
792
1180
1395
1425
1300
1049
770
212
93
165
114
62
29
9
4
2
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2251	25.3
0- 40	3646	41.1
0- 60	6371	71.7
0- 90	8401	94.6
90-120	372	4.2
90-130	435	4.9
90-150	472	5.3
90-180	479	5.4
0-180	8881	100.0

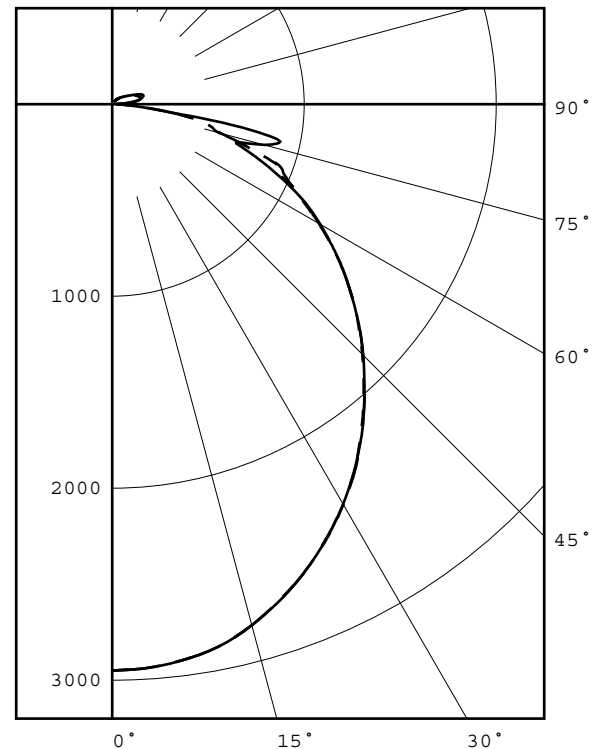
TOTAL INPUT WATTS = 117.81

EFFICACY = 75.4 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, 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: 117.81 W AT 120.0 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	2950	2950	2950	2950	2950
5.0	2935	2935	2935	2935	2935
10.0	2892	2892	2893	2893	2892
15.0	2808	2810	2810	2809	2809
20.0	2695	2698	2697	2698	2696
25.0	2562	2560	2560	2562	2559
30.0	2407	2404	2405	2407	2404
35.0	2229	2230	2230	2231	2235
40.0	2036	2038	2043	2038	2042
45.0	1842	1843	1849	1844	1848
50.0	1652	1645	1651	1646	1652
55.0	1451	1453	1454	1451	1452
60.0	1242	1272	1253	1301	1243
65.0	1058	1113	1033	1098	1047
70.0	907	794	790	791	919
75.0	578	715	820	729	590
80.0	431	589	661	589	425
85.0	141	134	133	131	145
90.0	16	19	19	21	21
95.0	83	89	87	89	83
100.0	146	154	151	153	145
105.0	149	165	168	165	149
110.0	131	145	151	146	131
115.0	112	115	112	114	113
120.0	92	89	84	89	92
125.0	69	70	67	70	69
130.0	51	53	52	53	51
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	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	70.
5- 10	208.
10- 15	338.
15- 20	454.
20- 25	551.
25- 30	628.
30- 35	683.
35- 40	712.
40- 45	719.
45- 50	706.
50- 55	674.
55- 60	626.
60- 65	575.
65- 70	473.
70- 75	396.
75- 80	374.
80- 85	175.
85- 90	37.
90- 95	25.
95-100	68.
100-105	85.
105-110	81.
110-115	65.
115-120	49.
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	208
10- 15	338
15- 20	454
20- 25	551
25- 30	628
30- 35	683
35- 40	712
40- 45	719
45- 50	706
50- 55	674
55- 60	626
60- 65	575
65- 70	473
70- 75	396
75- 80	374
80- 85	175
85- 90	37
90- 95	25
95-100	68
100-105	85
105-110	81
110-115	65
115-120	49
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	279
0- 20	1071
0- 30	2251
0- 40	3646
0- 50	5070
0- 60	6371
0- 70	7419
0- 80	8190
0- 90	8401
0-100	8494
0-110	8660
0-120	8773
0-130	8836
0-140	8865
0-150	8873
0-160	8878
0-170	8880
0-180	8881

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

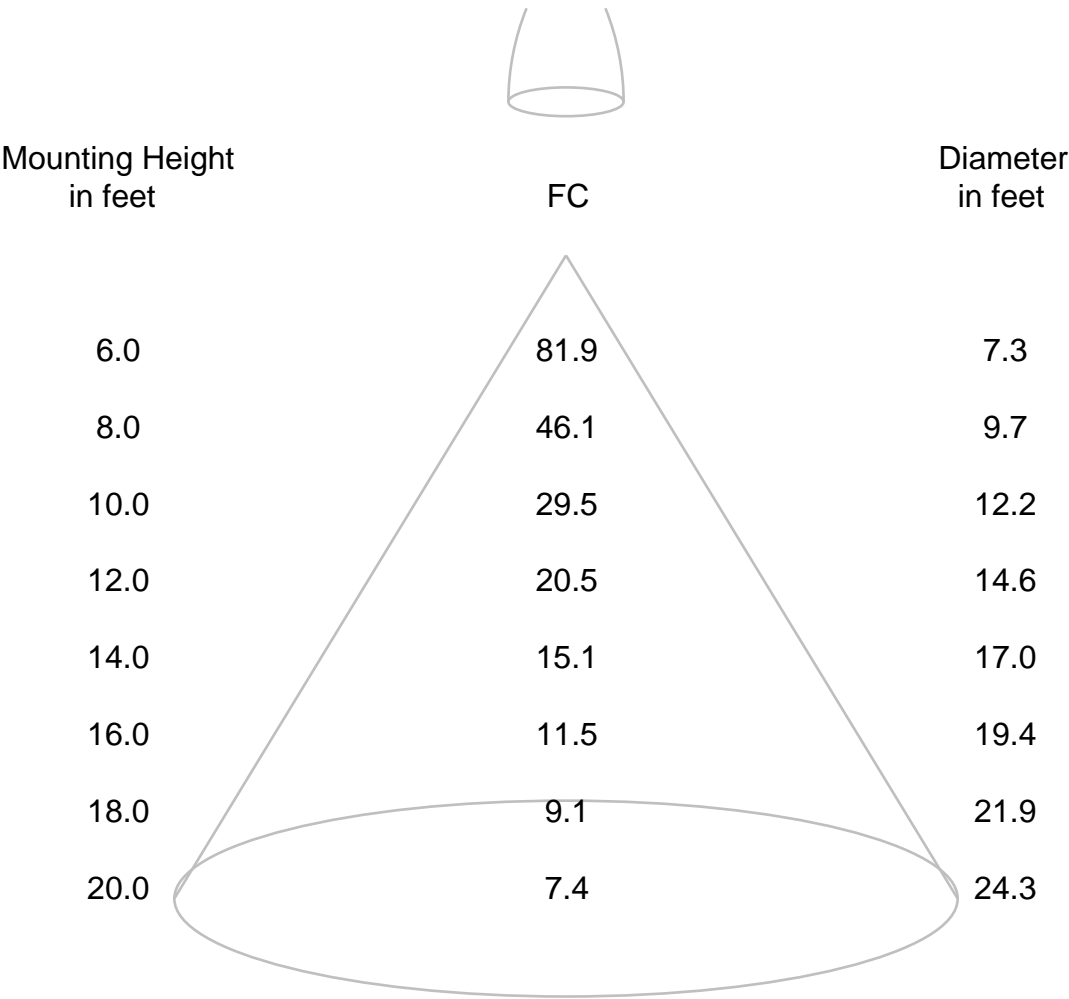
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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.