

REPORT NUMBER: SCALED FROM RAB00833

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL185W/D10

LUMINAIRE: EXTRUDED METAL HOUSING WITH HEAT SINK FINS, SIX WHITE CIRCUIT BOARD WITH NINETY SIX LEDS ON EACH BOARD, METAL REFLECTOR WITH SPECULAR FINISH, FLAT TRANSLUCENT LENS WITH FROSTED SIDE IN.

LAMPS: FIVE HUNDRED AND SEVENTY SIX LIGHT EMITTING DIODES (LEDs)

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 181.7 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

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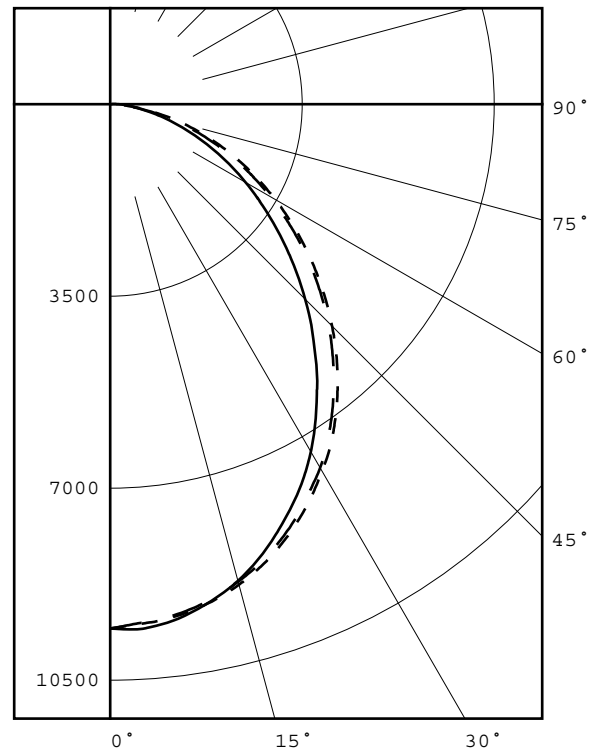
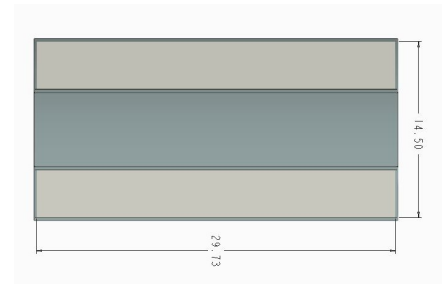
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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	9557	9557	9557	9557	9557
5	9467	9503	9546	9492	9447
15	9069	9033	8996	9002	9014
25	8260	8126	7960	8055	8183
35	7129	6846	6561	6788	7025
45	5720	5350	5027	5293	5614
55	4219	3860	3531	3777	4111
65	2749	2462	2212	2391	2649
75	1399	1233	1088	1166	1303
85	292	334	360	301	229
90	17	111	148	92	2
95	0	4	23	2	1
105	2	2	3	3	3
115	3	3	3	3	3
125	3	3	4	4	3
135	5	5	5	5	5
145	6	6	7	7	7
155	7	7	8	8	8
165	7	8	9	8	8
175	8	9	10	9	8
180	9	9	9	9	9

FLUX

901
2540
3722
4257
4109
3423
2416
1287
372
25
3
3
3
4
4
3
2
1



LEGEND:
 0-deg: - - - - -
 90-deg: _____
 180-deg: - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7163	31.0
0- 40	11421	49.5
0- 60	18953	82.1
0- 90	23029	99.8
90-120	30	0.1
90-130	33	0.1
90-150	41	0.2
90-180	48	0.2
0-180	23077	100.0

TOTAL INPUT WATTS = 181.7

EFFICACY = 127.0 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.2 1.1 1.2

Checked X.CAO
 Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET
DRIVER: 2 X RDD-085-A1750
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE
ACCREDITED LABORATORY CODE 201058-0
LED
INDOOR, ARCHITECTURAL, COMMERCIAL
DOCK, GYMNASIUM, INDUSTRIAL, INSTITUTIONAL, MANUFACTURING, POOL,
RECREATION, RETAIL, SPORTS, DIRECT, HIGH BAY, LOW BAY, COLD
STORAGE, DAMP LOCATION, WET LOCATION
CEILING, SURFACE, SUSPENDED
5000
DLC

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ZONAL LUMEN SUMMARY

0- 5	228.
5- 10	673.
10- 15	1088.
15- 20	1452.
20- 25	1751.
25- 30	1971.
30- 35	2106.
35- 40	2151.
40- 45	2112.
45- 50	1997.
50- 55	1822.
55- 60	1601.
60- 65	1346.
65- 70	1070.
70- 75	783.
75- 80	504.
80- 85	267.
85- 90	106.
90- 95	23.
95-100	2.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	2.
130-135	2.
135-140	2.
140-145	2.
145-150	2.
150-155	2.
155-160	2.
160-165	1.
165-170	1.
170-175	1.
175-180	0.

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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.