

REPORT NUMBER: SCALED FROM RAB00840

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225NW/347 RCL

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 = 222.8 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

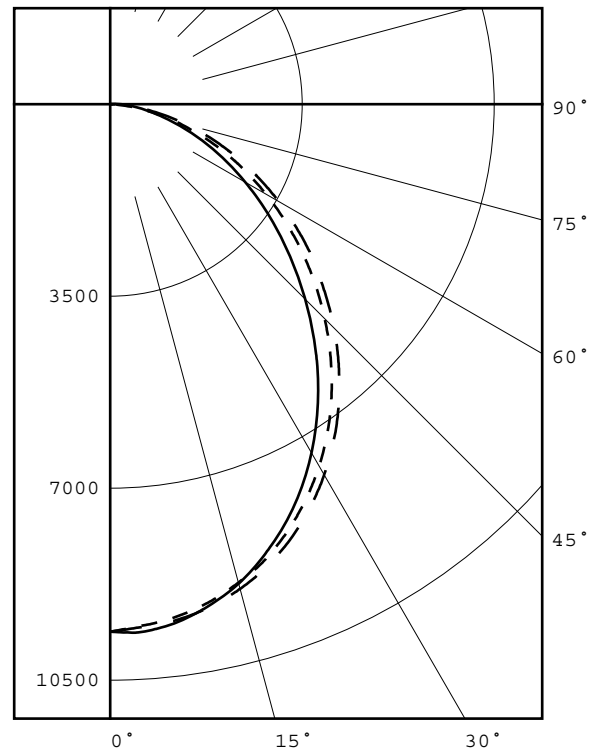
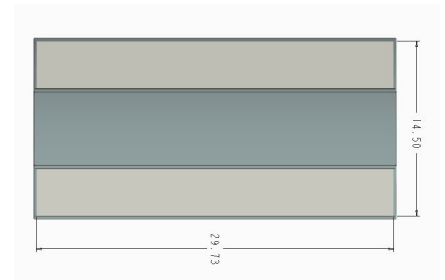
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

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### CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	9616	9616	9616	9616	9616	
5	9493	9542	9601	9569	9533	907
15	9030	9029	9047	9111	9148	2556
25	8183	8073	8004	8190	8345	3742
35	6978	6756	6604	6900	7183	4271
45	5532	5240	5027	5399	5767	4115
55	4023	3726	3531	3898	4294	3427
65	2565	2355	2221	2507	2819	2423
75	1257	1146	1110	1270	1455	1305
85	206	314	405	391	329	409
90	1	112	193	152	31	
95	1	15	55	26	6	43
105	2	3	5	6	7	5
115	2	3	5	6	7	5
125	2	3	5	6	7	4
135	3	4	6	7	8	4
145	4	5	7	8	9	4
155	5	6	8	9	10	3
165	5	6	9	10	10	2
175	6	7	10	11	11	1
180	9	9	9	9	9	

### FLUX



LEGEND:  
0-deg: - - - - -  
90-deg: \_\_\_\_\_  
180-deg: — — — — —

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7206	31.0
0- 40	11477	49.4
0- 60	19018	81.9
0- 90	23155	99.7
90-120	53	0.2
90-130	57	0.2
90-150	65	0.3
90-180	72	0.3
0-180	23227	100.0

TOTAL INPUT WATTS = 222.8

EFFICACY = 104.3 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: 3 X RD-S075-A1400/480  
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  
4000  
DLC



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## ZONAL LUMEN SUMMARY

0- 5	229.
5- 10	678.
10- 15	1095.
15- 20	1461.
20- 25	1761.
25- 30	1981.
30- 35	2114.
35- 40	2158.
40- 45	2115.
45- 50	1999.
50- 55	1825.
55- 60	1602.
60- 65	1349.
65- 70	1074.
70- 75	789.
75- 80	516.
80- 85	286.
85- 90	123.
90- 95	36.
95-100	7.
100-105	2.
105-110	2.
110-115	2.
115-120	2.
120-125	2.
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	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	71	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	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	42	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	44	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	28	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.