

REPORT NUMBER: SCALED FROM RAB00853

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150YNW/347 RCL

LUMINAIRE: EXTRUDED METAL HOUSING WITH HEAT SINK FINS, FOUR WHITE

CIRCUIT BOARD WITH NINETY SIX LEDS ON EACH BOARD, METAL REFLECTOR  
WITH SPECULAR FINISH, FLAT TRANSLUCENT LENS WITH FROSTED SIDE IN.

LAMPS: THREE HUNDRED AND EIGHTY FOUR LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 148.9 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

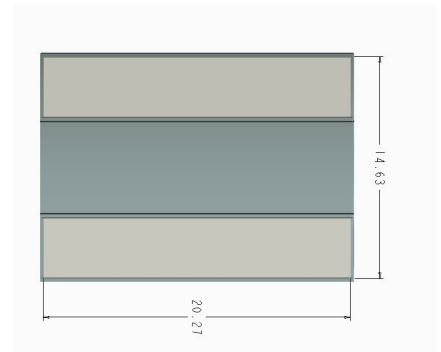
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

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## CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	6626	6626	6626	6626	6626	
5	6590	6585	6586	6593	6599	625
15	6294	6246	6213	6269	6316	1761
25	5695	5590	5490	5622	5740	2577
35	4835	4674	4518	4719	4906	2937
45	3808	3636	3455	3678	3899	2826
55	2774	2586	2444	2644	2850	2347
65	1769	1631	1532	1684	1837	1649
75	860	793	751	835	919	873
85	153	198	241	221	198	250
90	3	58	97	70	14	
95	0	2	14	3	1	16
105	1	2	2	2	2	2
115	1	2	2	2	2	2
125	2	2	2	2	2	2
135	2	2	3	3	3	2
145	3	3	4	4	4	2
155	4	4	5	5	5	2
165	4	5	6	6	5	1
175	5	6	6	6	6	1
180	6	6	6	6	6	

## FLUX



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	4963	31.3
0- 40	7900	49.8
0- 60	13073	82.3
0- 90	15846	99.8
90-120	20	0.1
90-130	22	0.1
90-150	26	0.2
90-180	30	0.2
0-180	15876	100.0

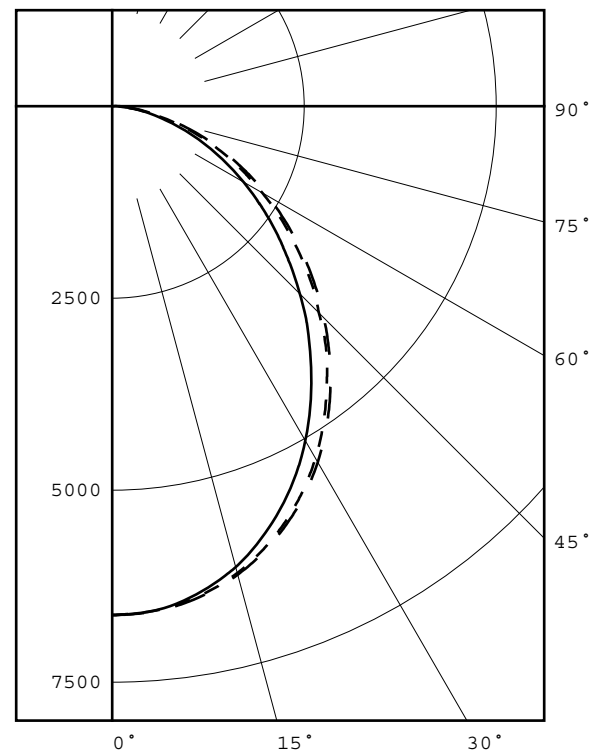
TOTAL INPUT WATTS = 148.9

EFFICACY = 106.6 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.2 1.1 1.2



LEGEND:

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

Checked

X.CAO

Approved

D.WANG-MUNSON

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## ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET  
DRIVER: 2 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  
3500  
DLC



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### ZONAL LUMEN SUMMARY

0- 5	158.
5- 10	467.
10- 15	755.
15- 20	1007.
20- 25	1213.
25- 30	1364.
30- 35	1454.
35- 40	1483.
40- 45	1454.
45- 50	1372.
50- 55	1250.
55- 60	1097.
60- 65	920.
65- 70	729.
70- 75	532.
75- 80	341.
80- 85	180.
85- 90	70.
90- 95	15.
95-100	1.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	1.
170-175	0.
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	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	34	29	39	33	29	39	33	29	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.