

REPORT NUMBER: SCALED FROM RAB00851

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150W/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 = 149.6 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

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

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### CANDELA DISTRIBUTION

### FLUX

	0.0	45.0	90.0	135.0	180.0	
0	7567	7567	7567	7567	7567	
5	7517	7516	7522	7536	7545	714
15	7160	7122	7099	7184	7250	2013
25	6431	6327	6238	6420	6569	2930
35	5437	5255	5102	5366	5591	3316
45	4270	4053	3879	4178	4457	3175
55	3078	2901	2747	2992	3250	2638
65	1949	1821	1718	1913	2109	1851
75	952	881	843	959	1075	980
85	160	218	270	257	239	279
90	3	63	110	85	20	
95	1	1	16	4	0	18
105	1	2	2	1	1	2
115	2	2	2	2	1	2
125	2	2	2	2	2	2
135	3	3	3	2	2	2
145	3	4	4	3	3	2
155	4	4	5	4	4	2
165	5	5	5	5	4	1
175	5	6	7	6	5	1
180	6	6	6	6	6	

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5657	31.6
0- 40	8973	50.1
0- 60	14786	82.5
0- 90	17897	99.8
90-120	21	0.1
90-130	23	0.1
90-150	27	0.2
90-180	31	0.2
0-180	17928	100.0

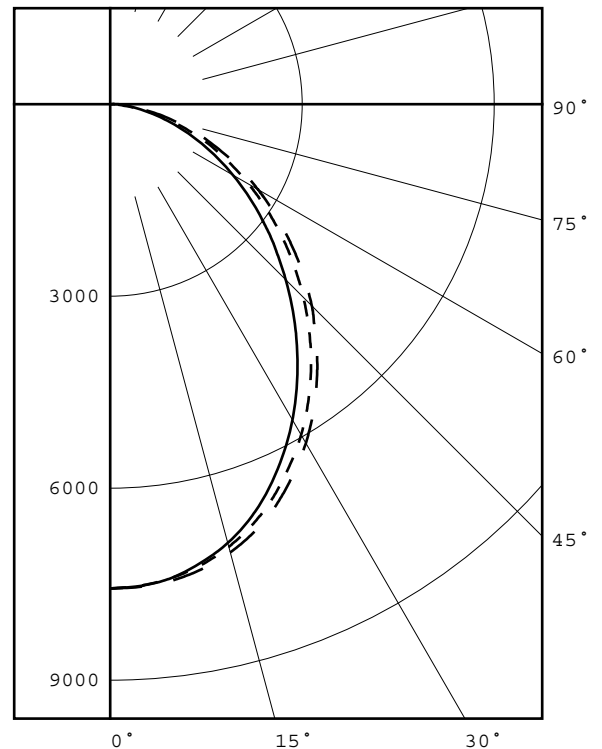
TOTAL INPUT WATTS = 149.6

EFFICACY = 119.8 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  
5000  
DLC



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## ZONAL LUMEN SUMMARY

0- 5	180.
5- 10	533.
10- 15	862.
15- 20	1150.
20- 25	1382.
25- 30	1548.
30- 35	1645.
35- 40	1671.
40- 45	1634.
45- 50	1541.
50- 55	1405.
55- 60	1233.
60- 65	1033.
65- 70	818.
70- 75	597.
75- 80	383.
80- 85	201.
85- 90	78.
90- 95	16.
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	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	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.