

REPORT NUMBER: SCALED FROM RAB00852

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150NW/D10

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 = 150.3 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

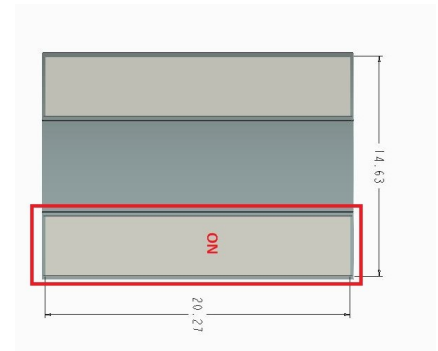
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

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### CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	6565	6565	6565	6565	6565	
5	6535	6532	6527	6529	6532	619
15	6248	6206	6155	6203	6249	1745
25	5660	5555	5436	5550	5664	2551
35	4823	4655	4473	4652	4828	2905
45	3822	3617	3430	3627	3828	2796
55	2798	2607	2421	2606	2802	2332
65	1807	1659	1530	1658	1807	1644
75	899	818	748	819	896	871
85	178	201	220	202	175	240
90	8	58	83	55	9	
95	1	4	12	3	2	14
105	2	2	3	3	3	3
115	2	2	3	3	3	3
125	2	3	3	4	4	3
135	3	4	5	5	5	4
145	4	5	6	6	6	4
155	5	6	7	7	7	3
165	6	6	7	8	8	2
175	6	7	8	8	8	1
180	8	8	8	8	8	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	4916	31.2
0- 40	7821	49.7
0- 60	12949	82.3
0- 90	15703	99.8
90-120	20	0.1
90-130	23	0.1
90-150	30	0.2
90-180	36	0.2
0-180	15739	100.0

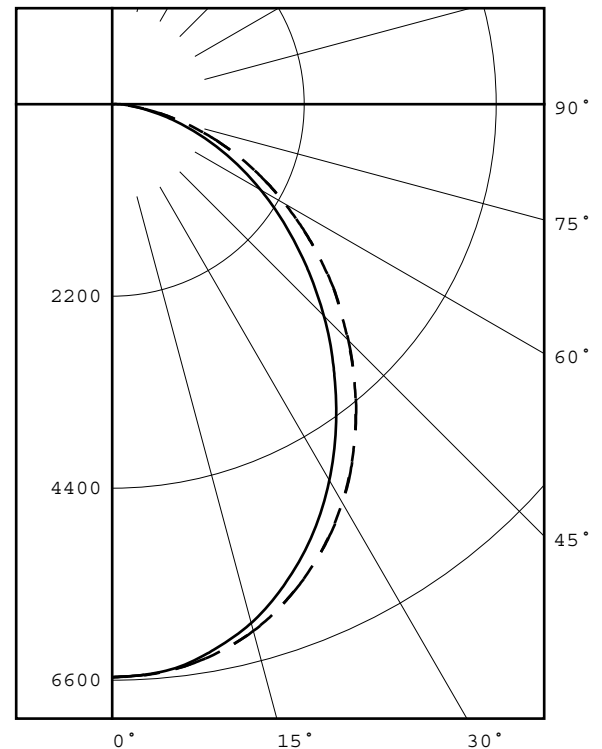
TOTAL INPUT WATTS = 150.3

EFFICACY = 104.7 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 RDD-075-A1400  
ACCREDITED LABORATORY CODE 201058-0  
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE  
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	157.
5- 10	463.
10- 15	748.
15- 20	998.
20- 25	1201.
25- 30	1350.
30- 35	1439.
35- 40	1466.
40- 45	1437.
45- 50	1359.
50- 55	1242.
55- 60	1090.
60- 65	917.
65- 70	727.
70- 75	531.
75- 80	340.
80- 85	176.
85- 90	64.
90- 95	13.
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	1.
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	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	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	57	66	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	38	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	43	36	32	42	36	31	41	36	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.