

REPORT NUMBER: SCALED FROM RAB00853

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150YNW/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 = 152.0 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

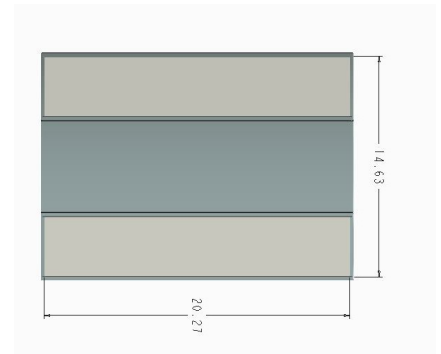
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

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### CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	6706	6706	6706	6706	6706	
5	6669	6664	6665	6672	6679	633
15	6369	6321	6288	6344	6392	1782
25	5763	5657	5556	5690	5809	2608
35	4893	4730	4573	4776	4965	2972
45	3853	3680	3497	3722	3946	2860
55	2807	2617	2474	2676	2885	2376
65	1790	1650	1550	1704	1860	1669
75	871	803	760	845	930	884
85	155	200	243	223	200	253
90	3	59	98	71	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	5023	31.3
0- 40	7995	49.8
0- 60	13230	82.3
0- 90	16036	99.8
90-120	20	0.1
90-130	22	0.1
90-150	27	0.2
90-180	31	0.2
0-180	16067	100.0

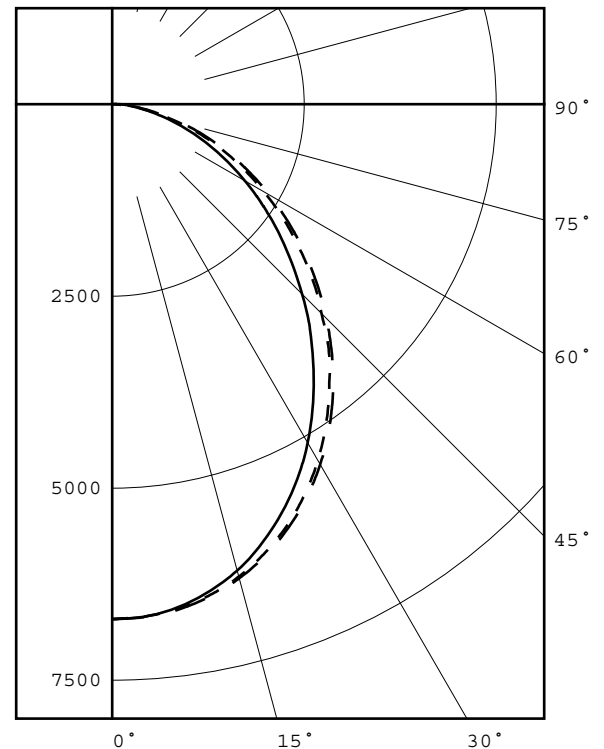
TOTAL INPUT WATTS = 152

EFFICACY = 105.7 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  
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	160.
5- 10	473.
10- 15	764.
15- 20	1019.
20- 25	1227.
25- 30	1381.
30- 35	1471.
35- 40	1500.
40- 45	1471.
45- 50	1389.
50- 55	1265.
55- 60	1110.
60- 65	931.
65- 70	738.
70- 75	538.
75- 80	345.
80- 85	182.
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.