

REPORT NUMBER: SCALED FROM RAB00860

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225NW/BL/2 ON

LUMINAIRE: EXTRUDED METAL HOUSING WITH HEAT SINK FINS, TWO WHITE CIRCUIT BOARD WITH NINETY SIX LEDS ON EACH BOARD, METAL REFLECTOR WITH SPECULAR FINISH, FLAT TRANSLUCENT LENS WITH FROSTED SIDE IN.

LAMPS: ONE HUNDRED AND NINETY TWO LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 74.8 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

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

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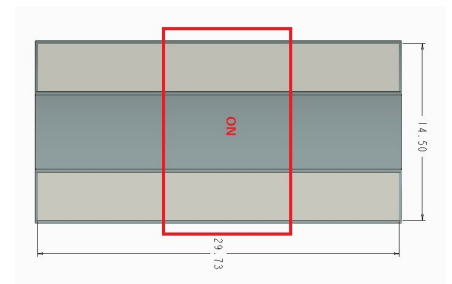
DATE SAMPLE TESTED: 05/08/15

### CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	3281	3281	3281	3281	3281
5	3265	3260	3250	3261	3272
15	3121	3093	3061	3093	3124
25	2831	2765	2696	2763	2832
35	2426	2314	2210	2314	2424
45	1942	1802	1675	1800	1940
55	1442	1297	1173	1286	1429
65	939	822	739	825	936
75	470	414	365	412	472
85	92	103	109	102	93
90	1	29	42	29	2
95	0	1	6	2	1
105	1	1	1	2	2
115	1	1	1	1	1
125	1	1	2	2	2
135	1	1	2	2	2
145	2	2	2	2	2
155	2	2	2	3	2
165	2	2	3	3	3
175	2	2	3	3	3
180	3	3	3	3	3

### FLUX

309
871
1272
1449
1395
1163
825
443
124
7
1
1
1
1
1
1
1
0



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2453	31.2
0- 40	3902	49.6
0- 60	6460	82.1
0- 90	7851	99.8
90-120	10	0.1
90-130	11	0.1
90-150	13	0.2
90-180	15	0.2
0-180	7866	100.0

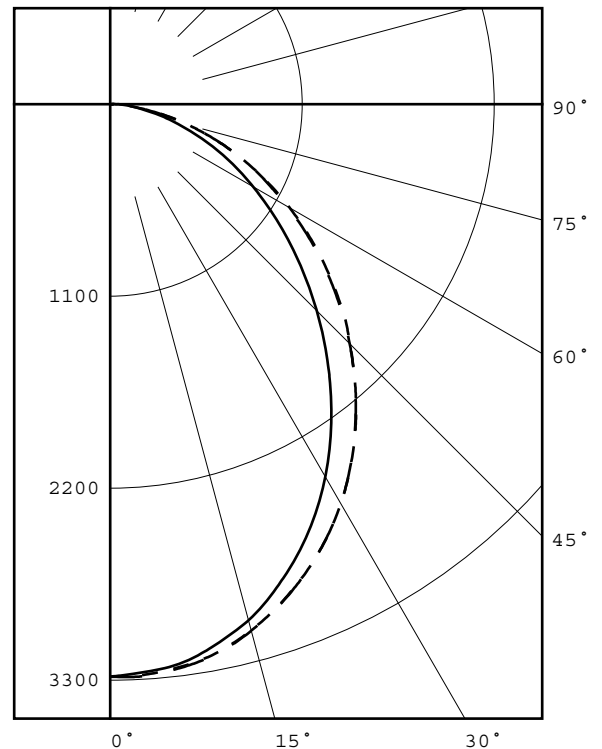
TOTAL INPUT WATTS = 74.8

EFFICACY = 105.2 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: RD-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  
4000  
DLC



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### ZONAL LUMEN SUMMARY

0- 5	78.
5- 10	231.
10- 15	373.
15- 20	498.
20- 25	599.
25- 30	673.
30- 35	718.
35- 40	731.
40- 45	717.
45- 50	678.
50- 55	619.
55- 60	544.
60- 65	459.
65- 70	366.
70- 75	269.
75- 80	174.
80- 85	90.
85- 90	33.
90- 95	7.
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	0.
165-170	0.
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	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	56	66	60	56	64	59	55	53
5	78	65	56	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	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	35	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.