

REPORT NUMBER: SCALED FROM RAB00860

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225W/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 = 74.3 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

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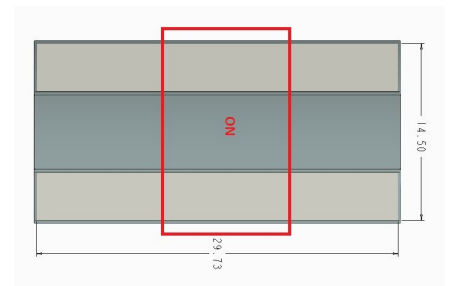
DATE SAMPLE TESTED: 05/08/15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	3798	3798	3798	3798	3798
5	3780	3775	3763	3776	3788
15	3613	3581	3544	3581	3616
25	3277	3202	3121	3199	3278
35	2809	2679	2558	2679	2807
45	2249	2087	1939	2084	2246
55	1670	1501	1358	1489	1655
65	1088	952	856	955	1084
75	544	479	423	477	546
85	106	119	127	118	107
90	1	34	49	34	2
95	0	1	7	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

358
1009
1473
1677
1615
1347
955
513
143
9
1
1
1
2
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2840	31.2
0- 40	4517	49.6
0- 60	7479	82.1
0- 90	9090	99.8
90-120	11	0.1
90-130	13	0.1
90-150	16	0.2
90-180	18	0.2
0-180	9108	100.0

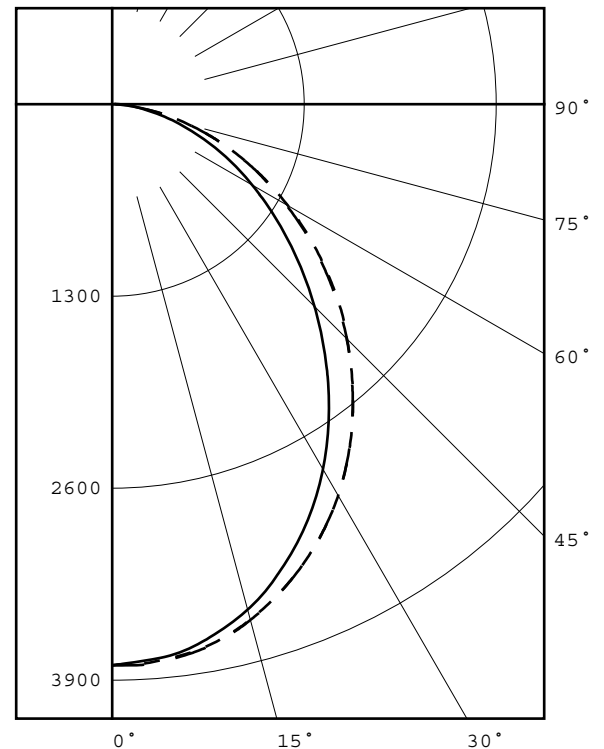
TOTAL INPUT WATTS = 74.3

EFFICACY = 122.6 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: 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
5000
DLC

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0- 5	91.
5- 10	268.
10- 15	432.
15- 20	576.
20- 25	693.
25- 30	780.
30- 35	831.
35- 40	846.
40- 45	830.
45- 50	785.
50- 55	717.
55- 60	630.
60- 65	531.
65- 70	424.
70- 75	311.
75- 80	201.
80- 85	105.
85- 90	39.
90- 95	8.
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.