

REPORT NUMBER: SCALED FROM RAB00859

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225NW/BL/4 ON

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 = 151.2 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

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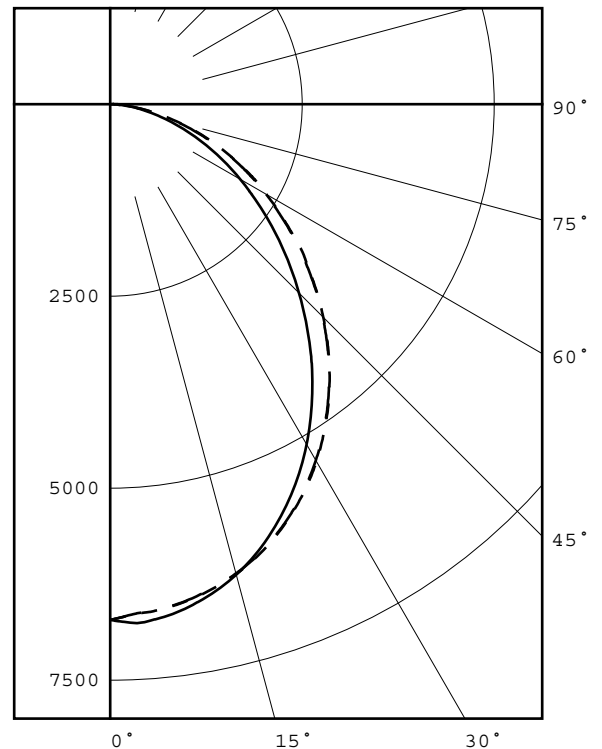
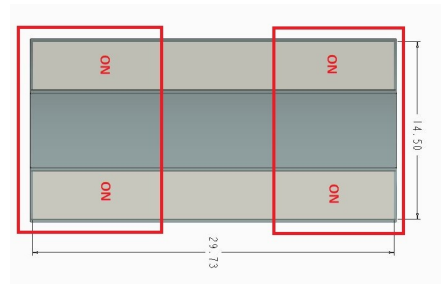
DATE SAMPLE TESTED: 05/08/15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	6717	6717	6717	6717	6717
5	6625	6676	6733	6673	6617
15	6335	6339	6343	6332	6326
25	5758	5679	5592	5670	5746
35	4927	4759	4586	4747	4915
45	3925	3693	3478	3681	3913
55	2862	2628	2430	2618	2850
65	1869	1671	1511	1651	1853
75	932	821	742	815	920
85	184	209	223	202	177
90	10	62	86	58	10
95	0	3	12	4	2
105	1	2	2	3	3
115	1	2	2	3	3
125	1	2	2	3	3
135	2	2	3	4	4
145	3	3	4	4	4
155	3	4	4	5	5
165	3	4	5	5	5
175	4	5	6	6	6
180	6	6	6	6	6

FLUX

633
1786
2612
2974
2855
2365
1666
886
249
15
2
2
2
2
2
2
1
1



LEGEND:
 0-deg: - - - - -
 90-deg: _____
 180-deg: - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5032	31.3
0- 40	8006	49.9
0- 60	13226	82.4
0- 90	16027	99.8
90-120	20	0.1
90-130	22	0.1
90-150	26	0.2
90-180	30	0.2
0-180	16057	100.0

TOTAL INPUT WATTS = 151.2

EFFICACY = 106.2 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.2 1.1 1.2

Checked X.CAO
 Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET
DRIVER: RD-144-Q0700-R
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	160.
5- 10	473.
10- 15	765.
15- 20	1021.
20- 25	1230.
25- 30	1382.
30- 35	1473.
35- 40	1501.
40- 45	1469.
45- 50	1386.
50- 55	1261.
55- 60	1104.
60- 65	928.
65- 70	738.
70- 75	539.
75- 80	347.
80- 85	182.
85- 90	67.
90- 95	14.
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	64	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	49	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	30
10	55	42	34	29	54	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.