

REPORT NUMBER: SCALED FROM RAB00841

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225YNW/480

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

LAMPS: FIVE HUNDRED AND SEVENTY SIX LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 224.7 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

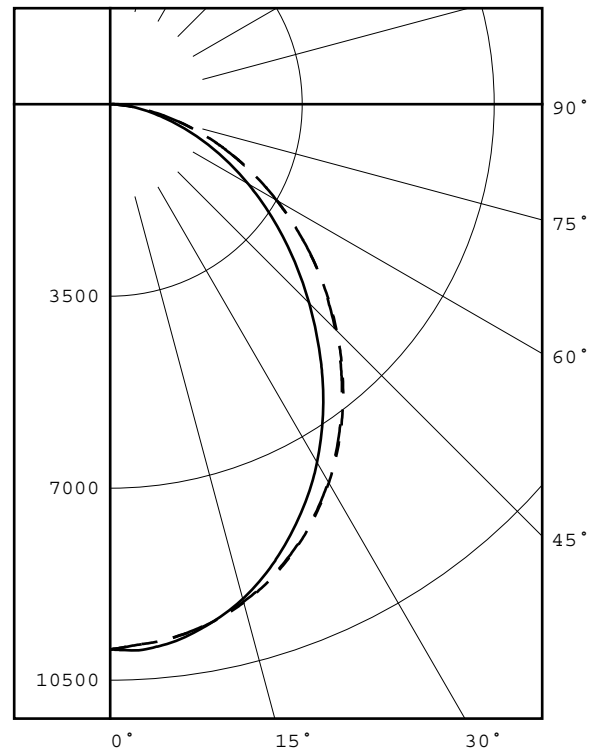
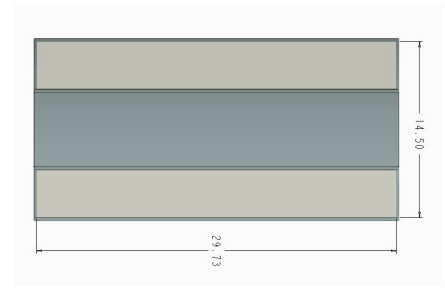
(SEE PAGE 2 FOR MORE INFORMATION)

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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	9940	9940	9940	9940	9940	
5	9836	9875	9923	9876	9835	937
15	9406	9377	9338	9364	9392	2640
25	8543	8397	8223	8368	8524	3858
35	7319	7036	6769	7003	7287	4395
45	5840	5484	5130	5438	5805	4229
55	4273	3917	3604	3908	4277	3521
65	2764	2481	2248	2474	2762	2480
75	1378	1219	1094	1219	1374	1316
85	259	306	331	301	259	366
90	9	88	128	88	11	
95	1	4	20	7	4	23
105	2	3	4	5	5	4
115	2	3	4	5	5	4
125	2	3	4	5	5	3
135	3	4	5	6	6	4
145	4	5	6	7	7	3
155	5	6	7	8	8	3
165	5	6	8	9	9	2
175	6	7	9	9	9	1
180	9	9	9	9	9	

FLUX



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

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7436	31.3
0- 40	11831	49.7
0- 60	19581	82.3
0- 90	23744	99.8
90-120	30	0.1
90-130	34	0.1
90-150	41	0.2
90-180	47	0.2
0-180	23791	100.0

TOTAL INPUT WATTS = 224.7

EFFICACY = 105.9 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: 3 X RD-S075-A1400/480
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	237.
5- 10	700.
10- 15	1131.
15- 20	1509.
20- 25	1816.
25- 30	2042.
30- 35	2176.
35- 40	2219.
40- 45	2175.
45- 50	2055.
50- 55	1876.
55- 60	1646.
60- 65	1383.
65- 70	1097.
70- 75	802.
75- 80	515.
80- 85	267.
85- 90	99.
90- 95	21.
95-100	2.
100-105	2.
105-110	2.
110-115	2.
115-120	2.
120-125	2.
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	65	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	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	36	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.