

REPORT NUMBER: SCALED FROM RAB00839

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225W/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 = 223.2 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

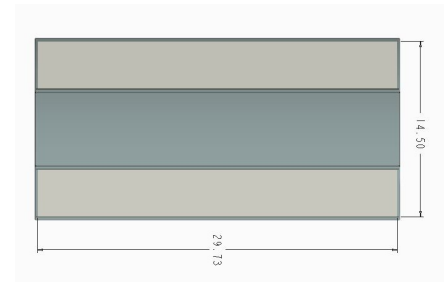
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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	11135	11135	11135	11135	11135	
5	11018	11063	11123	11069	11021	1050
15	10540	10519	10496	10517	10541	2962
25	9591	9436	9278	9435	9589	4338
35	8228	7938	7651	7933	8224	4956
45	6574	6190	5834	6189	6577	4780
55	4820	4456	4100	4454	4868	3992
65	3119	2834	2580	2846	3164	2827
75	1578	1401	1282	1416	1597	1511
85	304	362	396	366	322	426
90	11	108	158	109	16	
95	1	6	25	8	4	27
105	2	3	4	5	5	4
115	2	3	4	5	5	4
125	3	3	4	5	5	4
135	3	4	5	6	6	4
145	5	5	6	7	8	4
155	5	6	7	8	8	3
165	6	7	8	9	9	2
175	6	8	10	10	9	1
180	9	9	9	9	9	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	8350	31.0
0- 40	13306	49.5
0- 60	22078	82.1
0- 90	26843	99.8
90-120	35	0.1
90-130	38	0.1
90-150	46	0.2
90-180	52	0.2
0-180	26895	100.0

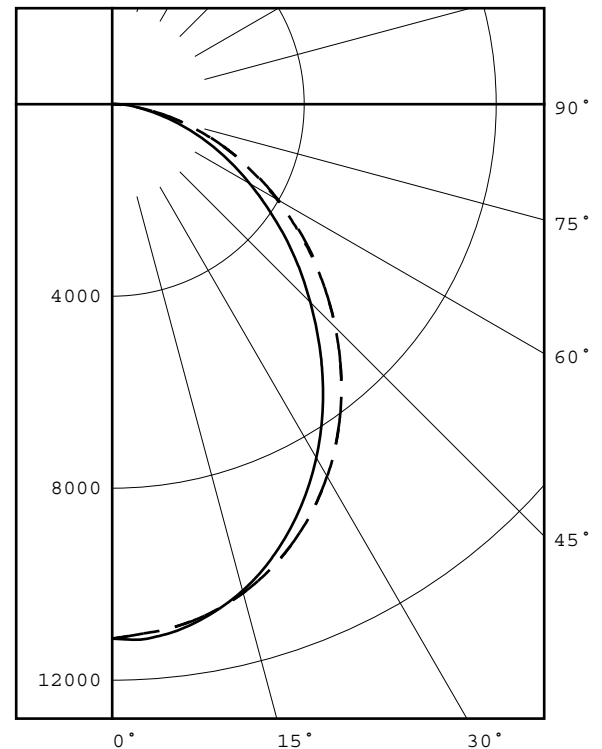
TOTAL INPUT WATTS = 223.2

EFFICACY = 120.5 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: 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
5000
DLC

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ZONAL LUMEN SUMMARY

0- 5	265.
5- 10	785.
10- 15	1268.
15- 20	1694.
20- 25	2041.
25- 30	2297.
30- 35	2452.
35- 40	2504.
40- 45	2456.
45- 50	2324.
50- 55	2124.
55- 60	1868.
60- 65	1574.
65- 70	1254.
70- 75	919.
75- 80	592.
80- 85	310.
85- 90	117.
90- 95	24.
95-100	3.
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	2.
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	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	91	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	75	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	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	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.