

REPORT NUMBER: SCALED FROM RAB00845

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL95W/480

LUMINAIRE: EXTRUDED METAL HOUSING WITH HEAT SINK FINS, FOUR WHITE

CIRCUIT BOARD WITH SIXTY FOUR LEDS ON EACH BOARD, METAL REFLECTOR
WITH SPECULAR FINISH, FLAT TRANSLUCENT LENS WITH FROSTED SIDE IN.

LAMPS: TWO HUNDRED AND FIFTY SIX LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 89.2 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

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DATE SAMPLE TESTED: 05/04/15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	FLUX
0	4612	4612	4612	4612	4612	
5	4589	4587	4589	4589	4590	435
15	4395	4375	4354	4373	4393	1232
25	3997	3944	3877	3934	3996	1811
35	3423	3327	3203	3316	3412	2073
45	2725	2605	2459	2589	2698	2001
55	1994	1867	1734	1849	1957	1666
65	1288	1187	1086	1167	1254	1173
75	658	594	532	570	614	625
85	137	160	174	146	111	182
90	13	51	71	45	0	
95	4	4	11	2	0	13
105	4	3	1	1	0	2
115	4	2	1	1	1	2
125	3	2	1	1	1	1
135	3	2	2	1	1	1
145	3	3	2	2	2	1
155	3	3	3	2	2	1
165	4	3	3	3	3	1
175	3	4	4	3	3	0
180	4	4	4	4	4	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	3479	31.0
0- 40	5552	49.5
0- 60	9219	82.2
0- 90	11198	99.8
90-120	16	0.1
90-130	18	0.2
90-150	21	0.2
90-180	23	0.2
0-180	11221	100.0

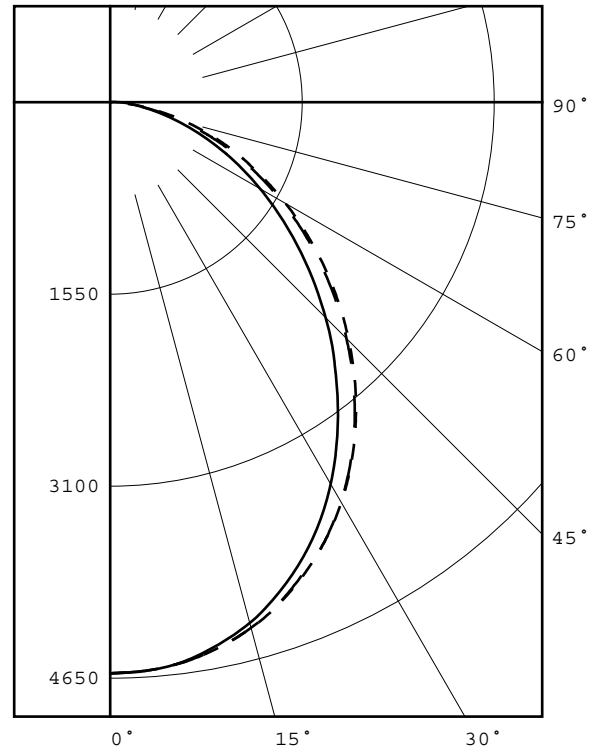
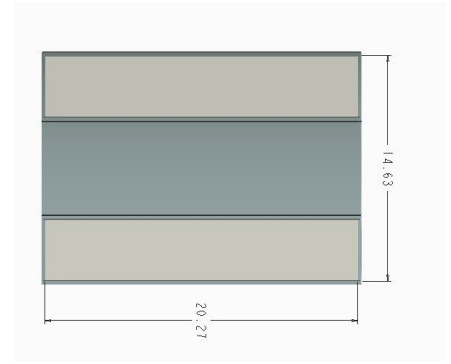
TOTAL INPUT WATTS = 89.2

EFFICACY = 125.8 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.2 1.2 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-H100-A2000-480
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	110.
5- 10	325.
10- 15	527.
15- 20	705.
20- 25	851.
25- 30	960.
30- 35	1026.
35- 40	1048.
40- 45	1029.
45- 50	973.
50- 55	887.
55- 60	779.
60- 65	654.
65- 70	519.
70- 75	379.
75- 80	245.
80- 85	130.
85- 90	51.
90- 95	12.
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	102	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	28	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.