

REPORT NUMBER: SCALED FROM RAB00845

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL95W/D10

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 = 91.9 AT 120.0 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	4704	4704	4704	4704	4704	
5	4681	4679	4681	4681	4682	444
15	4483	4463	4441	4461	4481	1257
25	4077	4023	3955	4013	4076	1847
35	3492	3393	3267	3383	3481	2115
45	2780	2657	2509	2641	2752	2041
55	2034	1905	1768	1886	1996	1699
65	1314	1211	1108	1190	1279	1196
75	672	606	543	581	626	637
85	139	163	178	149	113	185
90	13	52	73	46	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	3548	31.0
0- 40	5663	49.5
0- 60	9403	82.2
0- 90	11422	99.8
90-120	17	0.1
90-130	18	0.2
90-150	21	0.2
90-180	23	0.2
0-180	11446	100.0

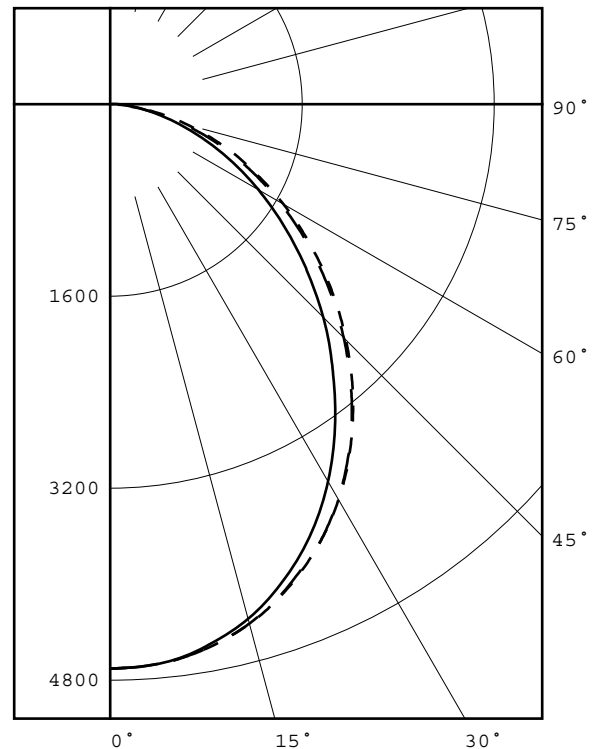
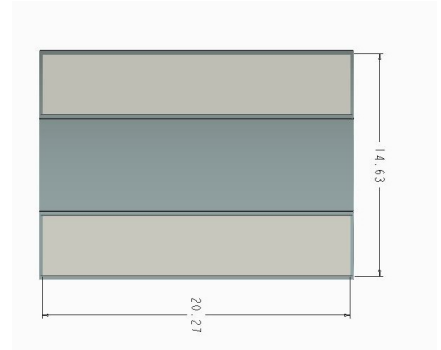
TOTAL INPUT WATTS = 91.9

EFFICACY = 124.5 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: RDD-085-A1750
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	112.
5- 10	332.
10- 15	537.
15- 20	719.
20- 25	868.
25- 30	979.
30- 35	1046.
35- 40	1069.
40- 45	1049.
45- 50	992.
50- 55	905.
55- 60	794.
60- 65	667.
65- 70	529.
70- 75	387.
75- 80	250.
80- 85	133.
85- 90	52.
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	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.