

REPORT NUMBER: SCALED FROM RAB00833

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL185W/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 = 176.3 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

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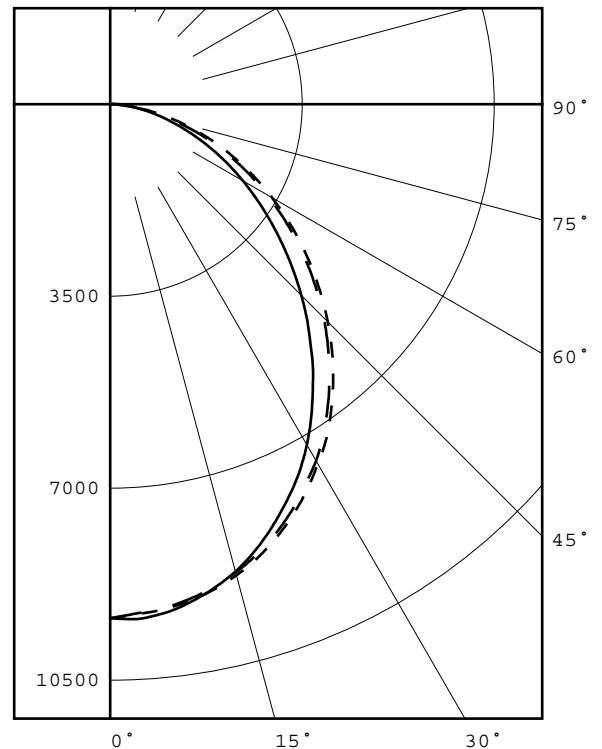
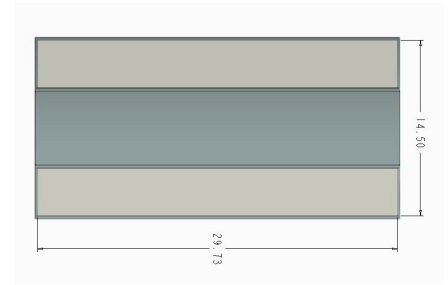
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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	9370	9370	9370	9370	9370
5	9282	9317	9359	9306	9262
15	8892	8856	8820	8825	8838
25	8099	7967	7804	7897	8022
35	6990	6711	6432	6655	6888
45	5608	5245	4929	5189	5504
55	4136	3784	3462	3703	4030
65	2695	2413	2169	2344	2597
75	1372	1209	1067	1144	1277
85	286	327	353	296	224
90	16	109	145	90	2
95	0	4	22	2	1
105	2	2	3	3	3
115	3	3	3	3	3
125	3	3	4	4	3
135	5	5	5	5	5
145	6	6	7	7	7
155	7	7	8	8	8
165	7	8	9	8	8
175	8	9	10	9	8
180	9	9	9	9	9

FLUX

884
2490
3649
4174
4029
3356
2369
1262
365
24
3
3
3
3
4
4
3
2
1



LEGEND:

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

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7023	31.0
0- 40	11197	49.5
0- 60	18582	82.1
0- 90	22577	99.8
90-120	30	0.1
90-130	33	0.1
90-150	40	0.2
90-180	47	0.2
0-180	22624	100.0

TOTAL INPUT WATTS = 176.3

EFFICACY = 128.3 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: 2 X 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	223.
5- 10	660.
10- 15	1066.
15- 20	1424.
20- 25	1716.
25- 30	1933.
30- 35	2065.
35- 40	2109.
40- 45	2071.
45- 50	1958.
50- 55	1786.
55- 60	1569.
60- 65	1320.
65- 70	1049.
70- 75	768.
75- 80	494.
80- 85	262.
85- 90	103.
90- 95	22.
95-100	2.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
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	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	35	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.