

REPORT NUMBER: SCALED FROM RAB00841

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225YNW/D10

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 = 225.0 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

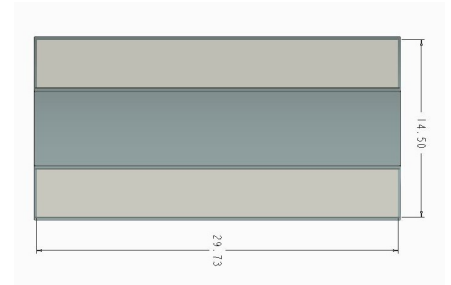
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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	10075	10075	10075	10075	10075
5	9970	10009	10058	10010	9969
15	9533	9504	9464	9491	9519
25	8659	8511	8335	8482	8640
35	7419	7132	6861	7098	7386
45	5919	5558	5199	5512	5884
55	4331	3970	3653	3961	4335
65	2802	2514	2278	2507	2799
75	1397	1235	1109	1235	1393
85	263	310	336	305	263
90	9	89	130	89	11
95	1	4	20	7	4
105	2	3	4	5	5
115	2	3	4	5	5
125	2	3	4	5	5
135	3	4	5	6	6
145	4	5	6	7	7
155	5	6	7	8	8
165	5	6	8	9	9
175	6	7	9	9	9
180	9	9	9	9	9

FLUX

950
2676
3911
4455
4287
3569
2514
1334
371
23
4
4
3
4
4
3
2
1



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7537	31.3
0- 40	11991	49.7
0- 60	19847	82.3
0- 90	24067	99.8
90-120	31	0.1
90-130	34	0.1
90-150	41	0.2
90-180	47	0.2
0-180	24114	100.0

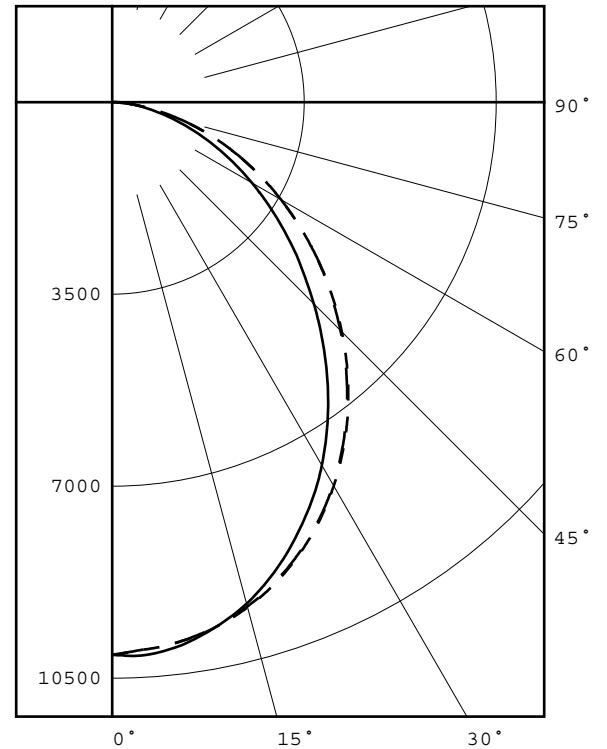
TOTAL INPUT WATTS = 225

EFFICACY = 107.2 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: RD-144-Q0700-C + RDD-075-A1400
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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0- 5	240.
5- 10	710.
10- 15	1146.
15- 20	1530.
20- 25	1841.
25- 30	2070.
30- 35	2206.
35- 40	2249.
40- 45	2204.
45- 50	2083.
50- 55	1901.
55- 60	1668.
60- 65	1402.
65- 70	1112.
70- 75	813.
75- 80	522.
80- 85	271.
85- 90	101.
90- 95	21.
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	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.