

REPORT NUMBER: SCALED FROM RAB00852

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150NW/347 RCL

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

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

LAMPS: THREE HUNDRED AND EIGHTY FOUR LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 149.6 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

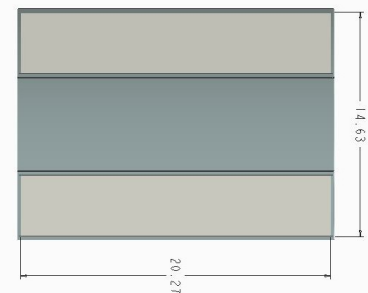
(SEE PAGE 2 FOR MORE INFORMATION)

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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	6488	6488	6488	6488	6488	
5	6458	6455	6450	6452	6455	612
15	6174	6132	6082	6129	6175	1725
25	5593	5490	5372	5485	5597	2521
35	4766	4600	4420	4597	4771	2870
45	3777	3574	3390	3584	3783	2763
55	2765	2576	2392	2575	2769	2304
65	1786	1639	1512	1638	1786	1624
75	888	808	740	809	885	860
85	176	199	218	200	173	237
90	8	57	82	54	9	
95	1	4	12	3	2	14
105	2	2	3	3	3	3
115	2	2	3	3	3	3
125	2	3	3	4	4	3
135	3	4	5	5	5	3
145	4	5	6	6	6	4
155	5	6	7	7	7	3
165	6	6	7	8	8	2
175	6	7	8	8	8	1
180	8	8	8	8	8	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	4858	31.2
0- 40	7728	49.7
0- 60	12795	82.3
0- 90	15517	99.8
90-120	19	0.1
90-130	22	0.1
90-150	30	0.2
90-180	35	0.2
0-180	15552	100.0

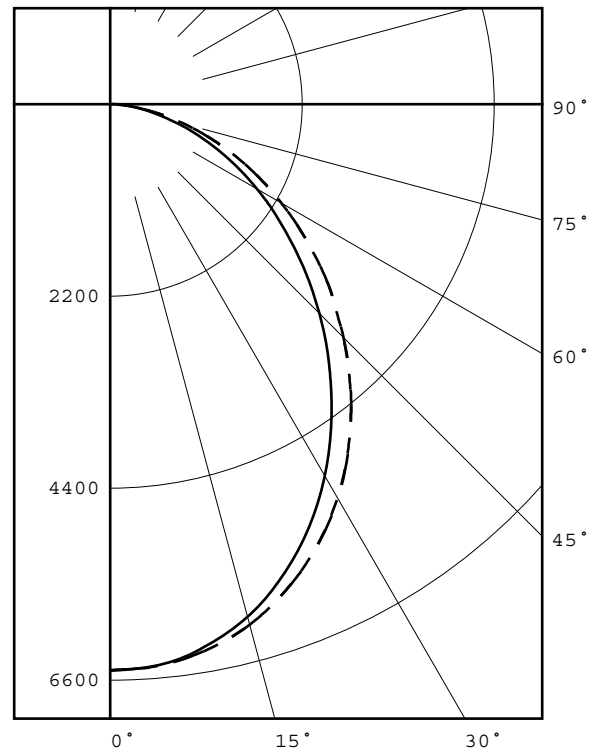
TOTAL INPUT WATTS = 149.6

EFFICACY = 104.0 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: 2 X RD-S075-A1400/480
ACCREDITED LABORATORY CODE 201058-0
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE
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
4000
DLC

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ZONAL LUMEN SUMMARY

0- 5	155.
5- 10	457.
10- 15	739.
15- 20	986.
20- 25	1187.
25- 30	1334.
30- 35	1421.
35- 40	1449.
40- 45	1420.
45- 50	1343.
50- 55	1227.
55- 60	1078.
60- 65	906.
65- 70	719.
70- 75	525.
75- 80	336.
80- 85	174.
85- 90	63.
90- 95	12.
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	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	64	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	38	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	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	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.