

REPORT NUMBER: SCALED FROM RAB00840

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225NW/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 = 223.0 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

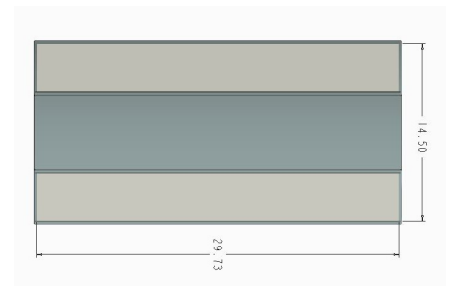
PAGE: 1 OF 5

DATE SAMPLE TESTED: 05/07/15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	9747	9747	9747	9747	9747	
5	9622	9672	9732	9699	9663	919
15	9153	9152	9171	9235	9273	2591
25	8294	8183	8113	8301	8459	3793
35	7073	6848	6694	6994	7281	4329
45	5607	5311	5095	5472	5846	4171
55	4078	3776	3580	3951	4353	3473
65	2600	2387	2251	2541	2857	2456
75	1274	1161	1125	1287	1475	1323
85	209	318	411	397	334	415
90	1	114	196	154	31	
95	1	15	56	26	6	44
105	2	3	5	6	7	5
115	2	3	5	6	7	5
125	2	3	5	6	7	4
135	3	4	6	7	8	4
145	4	5	7	8	9	4
155	5	6	8	9	10	3
165	5	6	9	10	10	2
175	6	7	10	11	11	1
180	9	9	9	9	9	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7304	31.0
0- 40	11633	49.4
0- 60	19277	81.9
0- 90	23471	99.7
90-120	53	0.2
90-130	58	0.2
90-150	66	0.3
90-180	73	0.3
0-180	23543	100.0

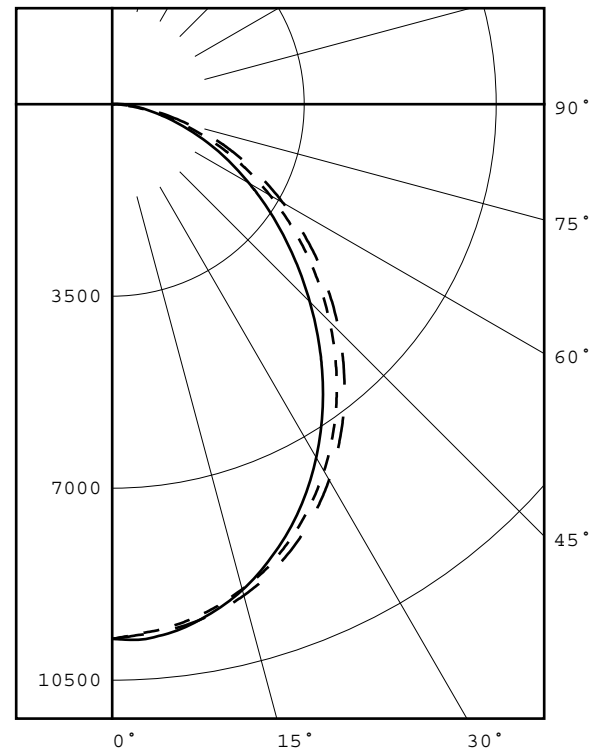
TOTAL INPUT WATTS = 223

EFFICACY = 105.6 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

REPORT NUMBER: SCALED FROM RAB00840
ISSUE DATE: 05/12/15
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 5
DATE SAMPLE TESTED: 05/07/15

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
4000
DLC

REPORT NUMBER: SCALED FROM RAB00840
ISSUE DATE: 05/12/15
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 5
DATE SAMPLE TESTED: 05/07/15

ZONAL LUMEN SUMMARY

0- 5	232.
5- 10	687.
10- 15	1110.
15- 20	1481.
20- 25	1785.
25- 30	2008.
30- 35	2143.
35- 40	2187.
40- 45	2144.
45- 50	2027.
50- 55	1849.
55- 60	1624.
60- 65	1368.
65- 70	1088.
70- 75	800.
75- 80	523.
80- 85	290.
85- 90	125.
90- 95	37.
95-100	7.
100-105	3.
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	2.
160-165	1.
165-170	1.
170-175	1.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00840
ISSUE DATE: 05/12/15

PAGE: 5 OF 5
DATE SAMPLE TESTED: 05/07/15

PREPARED FOR: RAB LIGHTING INC.

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	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	71	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	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	42	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	44	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.