

REPORT NUMBER: SCALED FROM RAB00839

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225W/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 = 223.4 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

(SEE PAGE 2 FOR MORE INFORMATION)

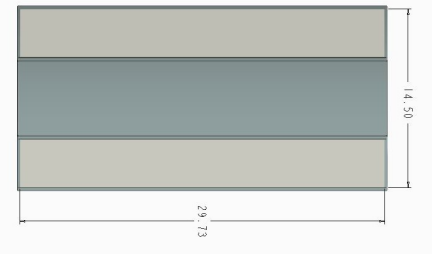
PAGE: 1 OF 5

DATE SAMPLE TESTED: 05/07/15

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	11286	11286	11286	11286	11286	
5	11167	11213	11274	11219	11171	1065
15	10684	10662	10639	10660	10685	3002
25	9721	9564	9405	9563	9719	4397
35	8340	8045	7755	8040	8336	5023
45	6663	6274	5913	6273	6666	4845
55	4886	4517	4156	4515	4935	4046
65	3162	2872	2615	2885	3207	2866
75	1600	1420	1299	1435	1619	1532
85	308	367	402	371	327	432
90	11	110	160	111	16	
95	1	6	25	8	4	27
105	2	3	4	5	5	4
115	2	3	4	5	5	4
125	3	3	4	5	5	4
135	3	4	5	6	6	4
145	5	5	6	7	8	4
155	5	6	7	8	8	3
165	6	7	8	9	9	2
175	6	8	10	10	9	1
180	9	9	9	9	9	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	8464	31.0
0- 40	13487	49.5
0- 60	22378	82.1
0- 90	27208	99.8
90-120	35	0.1
90-130	39	0.1
90-150	46	0.2
90-180	53	0.2
0-180	27260	100.0

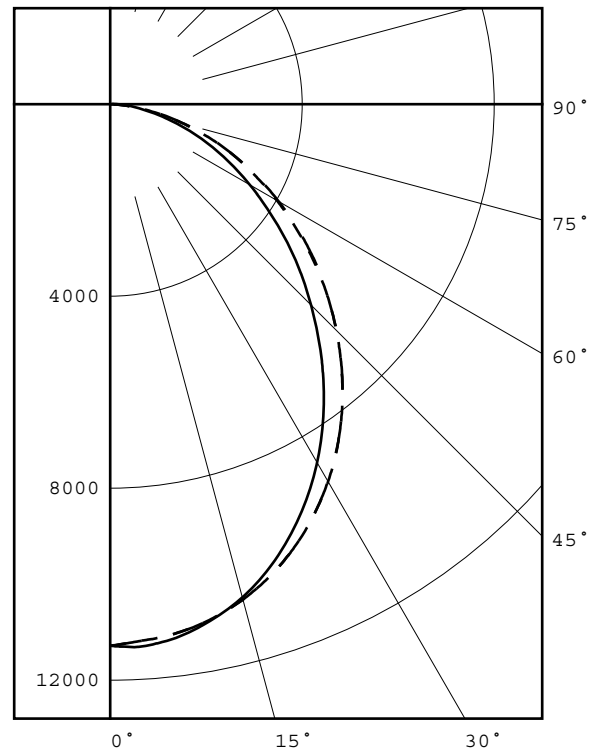
TOTAL INPUT WATTS = 223.4

EFFICACY = 122.0 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

REPORT NUMBER: SCALED FROM RAB00839
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
5000
DLC

REPORT NUMBER: SCALED FROM RAB00839
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	269.
5- 10	795.
10- 15	1286.
15- 20	1717.
20- 25	2069.
25- 30	2328.
30- 35	2486.
35- 40	2538.
40- 45	2489.
45- 50	2355.
50- 55	2153.
55- 60	1894.
60- 65	1595.
65- 70	1271.
70- 75	931.
75- 80	600.
80- 85	314.
85- 90	118.
90- 95	25.
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	2.
160-165	1.
165-170	1.
170-175	1.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00839
 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	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.