

REPORT NUMBER: SCALED FROM RAB00851

ISSUE DATE: 05/12/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL150W/D10

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 = 152.6 AT 120.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

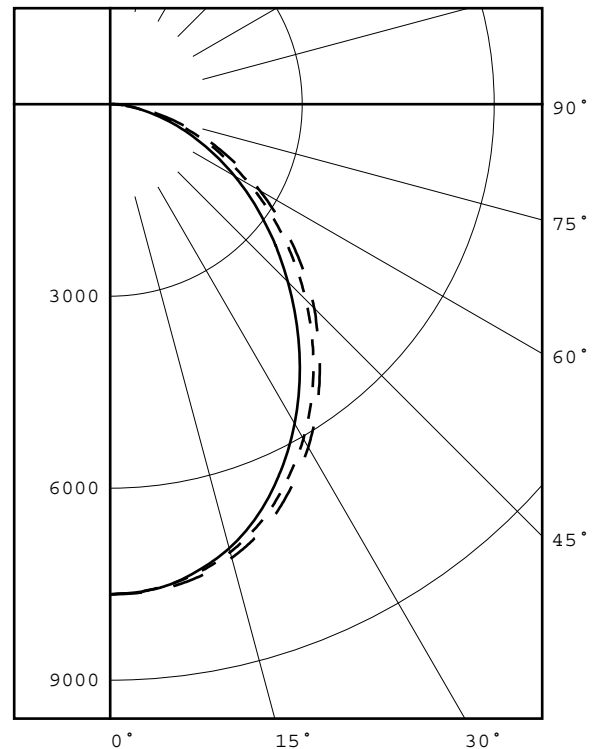
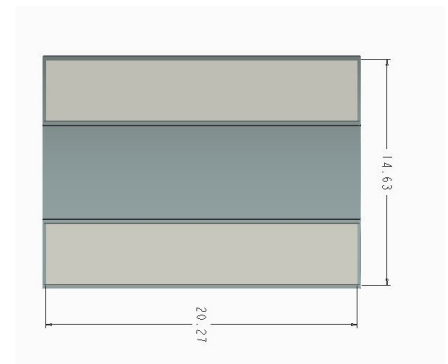
(SEE PAGE 2 FOR MORE INFORMATION)

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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	7658	7658	7658	7658	7658	
5	7608	7607	7613	7627	7636	722
15	7246	7208	7185	7270	7338	2037
25	6509	6404	6313	6498	6648	2966
35	5503	5319	5163	5431	5658	3356
45	4322	4102	3926	4228	4511	3213
55	3115	2936	2781	3028	3290	2670
65	1973	1843	1738	1936	2134	1874
75	964	892	854	971	1088	992
85	162	220	274	261	241	283
90	3	64	111	86	20	
95	1	1	16	4	0	18
105	1	2	2	1	1	2
115	2	2	2	2	1	2
125	2	2	2	2	2	2
135	3	3	3	2	2	2
145	3	4	4	3	3	2
155	4	4	5	4	4	2
165	5	5	5	5	4	1
175	5	6	7	6	5	1
180	6	6	6	6	6	

FLUX



LEGEND:
0-deg: - - - - -
90-deg: _____
180-deg: - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5725	31.6
0- 40	9081	50.1
0- 60	14965	82.5
0- 90	18113	99.8
90-120	21	0.1
90-130	23	0.1
90-150	27	0.2
90-180	31	0.2
0-180	18144	100.0

TOTAL INPUT WATTS = 152.6

EFFICACY = 118.9 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 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

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ZONAL LUMEN SUMMARY

0- 5	183.
5- 10	540.
10- 15	873.
15- 20	1164.
20- 25	1399.
25- 30	1567.
30- 35	1665.
35- 40	1692.
40- 45	1653.
45- 50	1560.
50- 55	1422.
55- 60	1247.
60- 65	1046.
65- 70	828.
70- 75	604.
75- 80	387.
80- 85	204.
85- 90	79.
90- 95	17.
95-100	1.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	1.
170-175	0.
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	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	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.