

REPORT NUMBER: SCALED FROM RAB00847

ISSUE DATE: 05/21/15

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL95YNW/480

LUMINAIRE: EXTRUDED METAL HOUSING WITH HEAT SINK FINS, FOUR WHITE
CIRCUIT BOARD WITH SIXTY FOUR LEDS ON EACH BOARD, METAL REFLECTOR
WITH SPECULAR FINISH, FLAT TRANSLUCENT LENS WITH FROSTED SIDE IN.

LAMPS: TWO HUNDRED AND FIFTY SIX LIGHT EMITTING DIODES (LEDs).

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS = 89.0 AT 480.0 VAC.

TEST PROCEDURE: IESNA LM-79-08

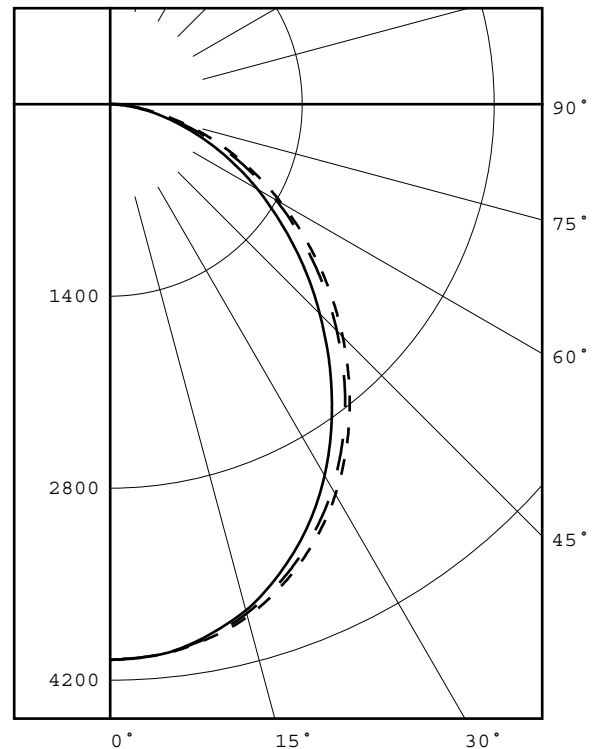
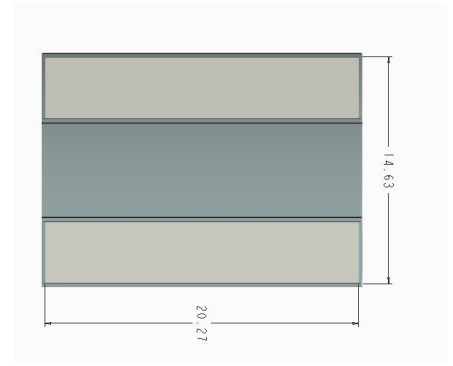
(SEE PAGE 2 FOR MORE INFORMATION)

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CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	4053	4053	4053	4053	4053	
5	4032	4031	4030	4030	4031	382
15	3869	3847	3822	3832	3846	1082
25	3519	3467	3402	3443	3481	1589
35	3013	2926	2817	2896	2962	1818
45	2398	2297	2160	2255	2338	1753
55	1756	1654	1530	1610	1694	1462
65	1139	1056	965	1026	1095	1035
75	571	526	475	501	531	552
85	118	143	161	132	92	163
90	8	49	67	41	3	
95	0	3	11	1	1	12
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	1	1	1	1	1	1
135	1	1	2	2	2	1
145	2	2	2	2	2	1
155	2	2	3	3	3	1
165	3	3	3	3	3	1
175	3	3	4	3	3	0
180	3	3	3	3	3	

FLUX



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

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	3053	31.0
0- 40	4871	49.4
0- 60	8087	82.1
0- 90	9836	99.8
90-120	14	0.1
90-130	15	0.1
90-150	17	0.2
90-180	19	0.2
0-180	9856	100.0

TOTAL INPUT WATTS = 89

EFFICACY = 110.7 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.2 1.2 1.2

Checked X.CAO
Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

TEST DISTANCE: 28.25 FEET
DRIVER: RD-H100-A2000-480
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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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 100.7 X 94.3 DEGREES
FIELD ANGLE (10%) : 155.9 X 153.6 DEGREES

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ZONAL LUMEN SUMMARY

0- 5	97.
5- 10	286.
10- 15	463.
15- 20	619.
20- 25	747.
25- 30	842.
30- 35	900.
35- 40	918.
40- 45	901.
45- 50	852.
50- 55	778.
55- 60	685.
60- 65	576.
65- 70	458.
70- 75	335.
75- 80	217.
80- 85	116.
85- 90	47.
90- 95	11.
95-100	1.
100-105	0.
105-110	1.
110-115	1.
115-120	0.
120-125	0.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	97
5- 10	286
10- 15	463
15- 20	619
20- 25	747
25- 30	842
30- 35	900
35- 40	918
40- 45	901
45- 50	852
50- 55	778
55- 60	685
60- 65	576
65- 70	458
70- 75	335
75- 80	217
80- 85	116
85- 90	47
90- 95	11
95-100	1
100-105	0
105-110	1
110-115	1
115-120	0
120-125	0
125-130	1
130-135	1
135-140	1
140-145	1
145-150	1
150-155	1
155-160	1
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	382
0- 20	1464
0- 30	3053
0- 40	4871
0- 50	6624
0- 60	8087
0- 70	9121
0- 80	9673
0- 90	9836
0-100	9848
0-110	9849
0-120	9850
0-130	9851
0-140	9852
0-150	9853
0-160	9854
0-170	9855
0-180	9855

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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	102	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	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	78	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	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	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

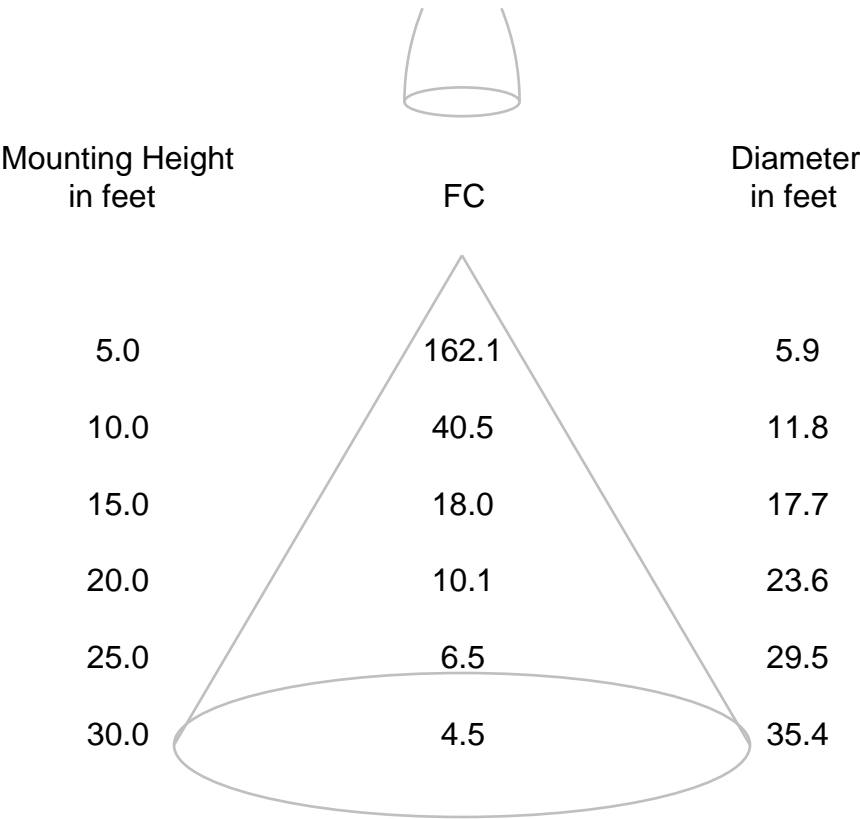
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)



Note: The candela values used to generate this diagram were obtained by averaging the photometric data into a single plane.