

REPORT NUMBER: PRORATED FROM RAB03428

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ISSUE DATE: 05/25/17

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RAIL225W/480/D10, RAILP225W/480/D10 (Standard Distribution) (ALSO APPLIES TO 347 RCL)

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

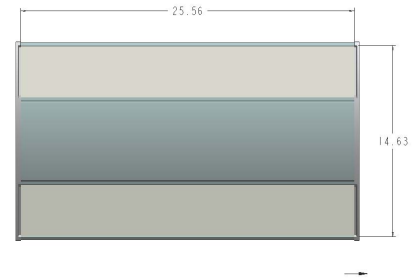
LAMPS: SIX HUNDRED LIGHT EMITTING DIODES (LEDs).

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0	
0	11438	11438	11438	11438	11438	
5	11340	11367	11411	11380	11358	1079
15	10778	10763	10764	10803	10848	3038
25	9704	9596	9508	9662	9795	4433
35	8218	8027	7852	8099	8325	5046
45	6488	6251	6039	6325	6603	4864
55	4759	4488	4290	4552	4817	4065
65	3047	2889	2721	2939	3138	2883
75	1470	1424	1362	1463	1561	1544
85	244	431	540	445	295	494
90	0	162	266	179	10	
95	1	17	72	24	2	52
105	2	2	3	3	3	3
115	2	2	3	3	3	3
125	3	3	3	3	4	3
135	4	4	4	4	5	3
145	5	5	6	6	6	4
155	6	6	7	7	7	3
165	7	7	8	8	8	2
175	7	8	11	10	10	1
180	10	10	10	10	10	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	8550	31.1
0- 40	13596	49.4
0- 60	22524	81.9
0- 90	27444	99.7
90-120	58	0.2
90-130	61	0.2
90-150	68	0.2
90-180	74	0.3
0-180	27519	100.0

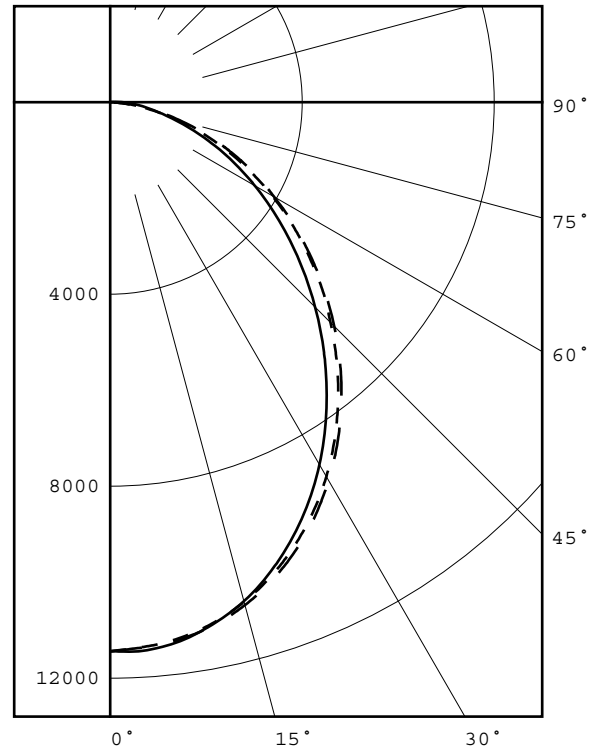
TOTAL INPUT WATTS = 200.1

EFFICACY = 137.5 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

NOTE: THIS REPORT WAS PRORATED FROM RAB03428 WHICH WAS
RAIL225NW/480/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 200.1 W AT 347.0 VAC.
LED DRIVER: 2X RDD-096-A3600-240C
TEST PROCEDURE: IESNA LM-79-08
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 99.3 X 93.5 DEGREES
FIELD ANGLE (10%): 155.2 X 154.3 DEGREES

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PLANE : 0-DEG 90-DEG
LUMINOUS LENGTH :25.560 14.630

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 90-DEG	AVERAGE 180-DEG
45	38017.	35389.	38694.
55	34377.	30992.	34798.
65	29871.	26680.	30765.
75	23539.	21808.	24998.
85	11591.	25652.	14011.

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ZONAL LUMEN SUMMARY

0- 5	273.
5- 10	806.
10- 15	1302.
15- 20	1736.
20- 25	2088.
25- 30	2345.
30- 35	2498.
35- 40	2548.
40- 45	2499.
45- 50	2365.
50- 55	2161.
55- 60	1904.
60- 65	1606.
65- 70	1277.
70- 75	934.
75- 80	609.
80- 85	340.
85- 90	154.
90- 95	46.
95-100	6.
100-105	1.
105-110	2.
110-115	2.
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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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	273
5- 10	806
10- 15	1302
15- 20	1736
20- 25	2088
25- 30	2345
30- 35	2498
35- 40	2548
40- 45	2499
45- 50	2365
50- 55	2161
55- 60	1904
60- 65	1606
65- 70	1277
70- 75	934
75- 80	609
80- 85	340
85- 90	154
90- 95	46
95-100	6
100-105	1
105-110	2
110-115	2
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

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1079
0- 20	4117
0- 30	8550
0- 40	13596
0- 50	18459
0- 60	22524
0- 70	25407
0- 80	26951
0- 90	27444
0-100	27497
0-110	27500
0-120	27503
0-130	27506
0-140	27509
0-150	27513
0-160	27516
0-170	27518
0-180	27519

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

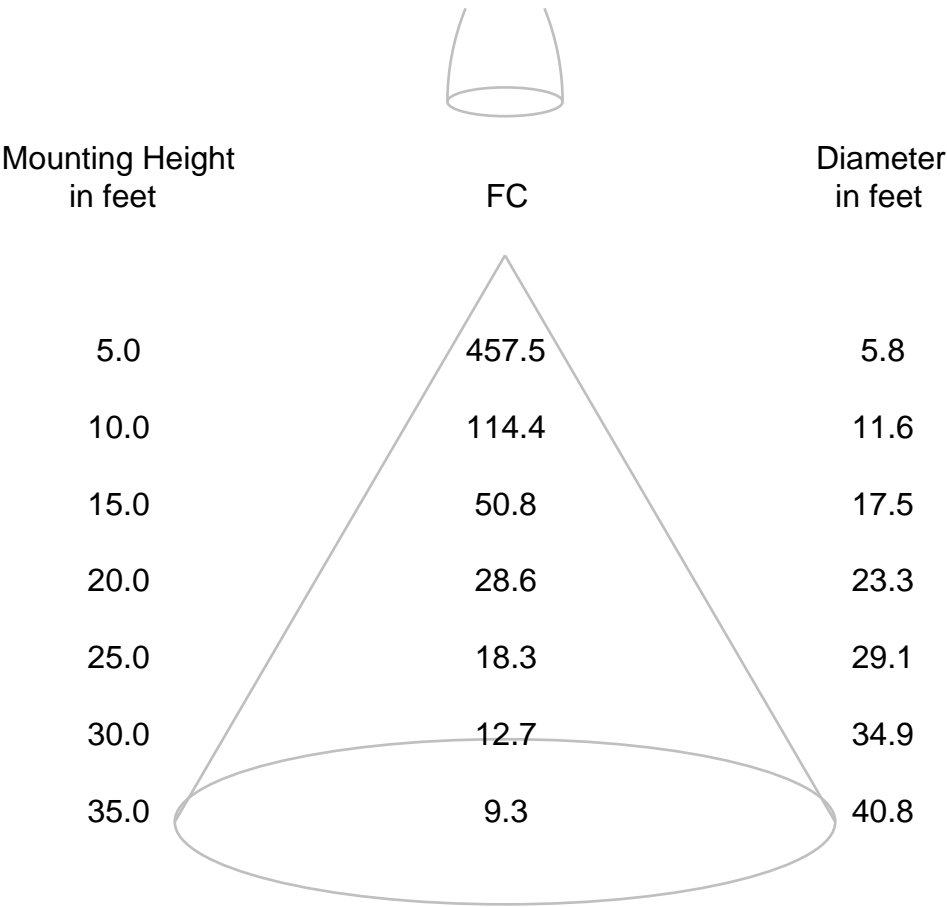
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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	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	70	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	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.

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.