

REPORT NUMBER: SCALED FROM RAB00909

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA80YW/480

LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO OPPOSING LIGHT HEADS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

LAMPS: THIRTY TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), TILTED 15-DEGREES FROM VERTICAL BASE-UP POSITION.

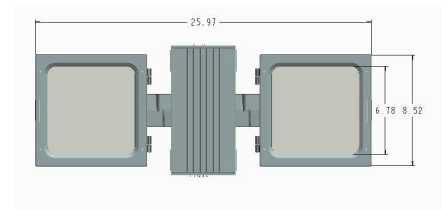
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	6332	6332	6332	6332	6332
5	5860	5966	6096	6209	6275
15	2845	3070	3842	5351	6034
25	1485	1662	2199	3747	5448
35	335	502	1179	2363	4529
45	79	132	433	1474	3587
55	43	54	148	862	2664
65	29	37	68	403	1742
75	17	22	35	147	889
85	4	9	21	67	341
90	0	5	16	46	174
95	0	2	8	29	76
105	0	2	0	0	0
115	0	2	0	0	0
125	0	2	0	0	0
135	0	2	1	1	1
145	0	2	2	1	1
155	1	3	3	1	0
165	2	4	3	0	0
175	3	5	4	1	0
180	3	3	3	3	3

FLUX

551
1171
1266
1025
755
544
348
178
76
22
2
0
0
0
1
1
1
1
0
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2988	50.3
0- 40	4012	67.5
0- 60	5312	89.4
0- 90	5914	99.5
90-120	24	0.4
90-130	25	0.4
90-150	27	0.4
90-180	28	0.5
0-180	5942	100.0

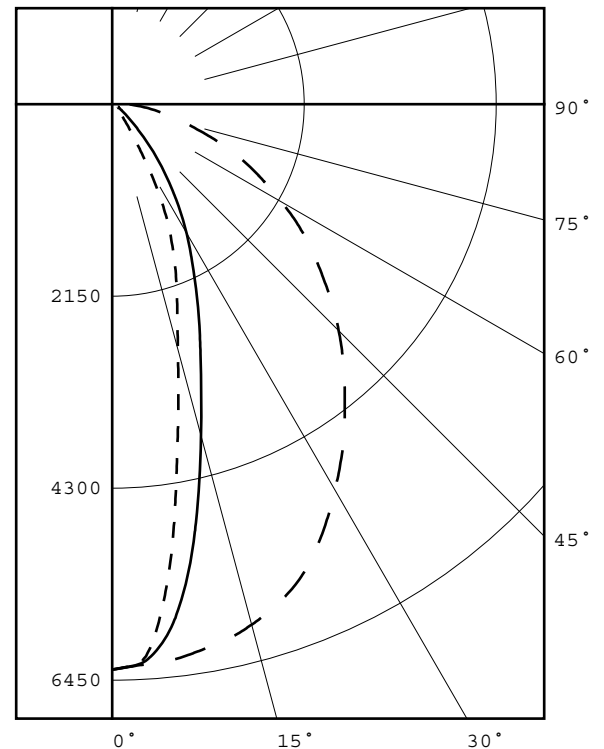
TOTAL INPUT WATTS = 80.3

EFFICACY = 74.0 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 0.4 1.2



LEGEND:

0-deg: - - - - -
 45-deg: _____
 90-deg: — — — — —

Checked X.CAO
 Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
TOTAL INPUT WATTS =80.3 AT 480.0 VAC.
LED DRIVER: RD-S075-A1400/480
TEST PROCEDURE: IESNA LM-79-08
ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 27.2 X 98.9 DEGREES
FIELD ANGLE (10%): 62.6 X 158.2 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	6332	6332	6332	6332	6332
5.0	5860	5966	6096	6209	6275
10.0	4157	4450	5127	5900	6178
15.0	2845	3070	3842	5351	6034
20.0	2100	2254	2885	4564	5809
25.0	1485	1662	2199	3747	5448
30.0	776	1045	1664	2993	4990
35.0	335	502	1179	2363	4529
40.0	160	248	765	1868	4045
45.0	79	132	433	1474	3587
50.0	53	74	243	1153	3112
55.0	43	54	148	862	2664
60.0	36	45	97	614	2190
65.0	29	37	68	403	1742
70.0	23	30	50	242	1304
75.0	17	22	35	147	889
80.0	11	15	26	99	581
85.0	4	9	21	67	341
90.0	0	5	16	46	174
95.0	0	2	8	29	76
100.0	0	2	1	10	26
105.0	0	2	0	0	0
110.0	0	2	0	0	0
115.0	0	2	0	0	0
120.0	0	1	0	0	0
125.0	0	2	0	0	0
130.0	0	2	1	0	0
135.0	0	2	1	1	1
140.0	0	2	2	1	1
145.0	0	2	2	1	1
150.0	1	3	2	1	0
155.0	1	3	3	1	0
160.0	2	4	2	0	0
165.0	2	4	3	0	0
170.0	3	5	3	0	0
175.0	3	5	4	1	0
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

0- 5	149.
5- 10	402.
10- 15	549.
15- 20	621.
20- 25	646.
25- 30	620.
30- 35	550.
35- 40	474.
40- 45	408.
45- 50	348.
50- 55	296.
55- 60	247.
60- 65	197.
65- 70	150.
70- 75	106.
75- 80	72.
80- 85	48.
85- 90	29.
90- 95	15.
95-100	7.
100-105	1.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	0.
145-150	0.
150-155	0.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	149
5- 10	402
10- 15	549
15- 20	621
20- 25	646
25- 30	620
30- 35	550
35- 40	474
40- 45	408
45- 50	348
50- 55	296
55- 60	247
60- 65	197
65- 70	150
70- 75	106
75- 80	72
80- 85	48
85- 90	29
90- 95	15
95-100	7
100-105	1
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	551
0- 20	1721
0- 30	2988
0- 40	4012
0- 50	4768
0- 60	5312
0- 70	5659
0- 80	5838
0- 90	5914
0-100	5936
0-110	5938
0-120	5938
0-130	5939
0-140	5939
0-150	5940
0-160	5941
0-170	5942
0-180	5942

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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	57
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	46	45
9	67	56	49	44	66	55	48	44	54	48	44	53	47	44	52	47	43	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

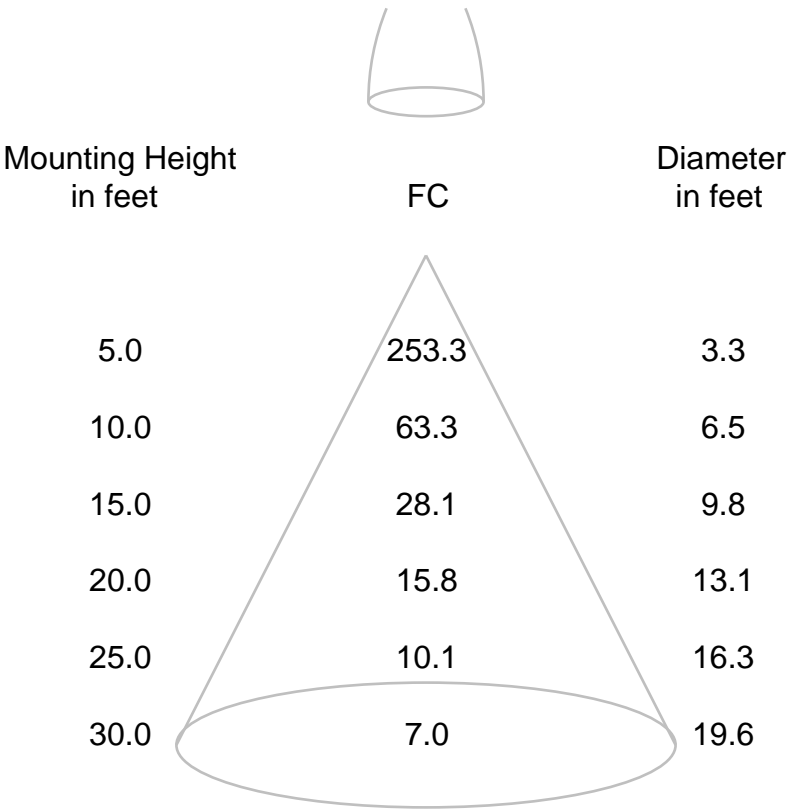
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.