

REPORT NUMBER: SCALED FROM RAB00754

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR80YW/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.

LAMP: THIRTY-TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

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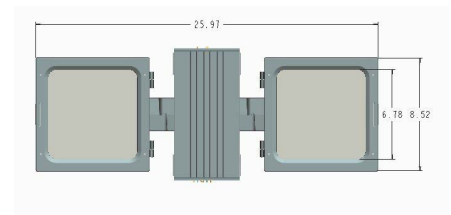
DATE SAMPLE TESTED: 03/17/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2523	2523	2523	2523	2523
5	2519	2519	2507	2493	2498
15	2358	2352	2342	2333	2350
25	2195	2145	2115	2150	2212
35	2070	1964	1888	1968	2055
45	1696	1718	1750	1654	1643
55	896	988	1156	952	872
65	334	378	463	385	350
75	106	115	135	125	119
85	27	28	31	32	31
90	1	1	1	2	2
95	0	0	0	0	0
105	0	1	1	1	1
115	1	1	1	1	1
125	1	1	1	1	1
135	1	1	1	1	1
145	2	1	2	2	2
155	2	2	2	2	2
165	2	2	2	2	2
175	2	2	2	2	2
180	2	2	2	2	2

FLUX

237
661
993
1236
1292
895
402
137
34
1
1
1
1
1
1
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1892	32.1
0- 40	3128	53.1
0- 60	5314	90.2
0- 90	5888	99.9
90-120	2	0.0
90-130	3	0.1
90-150	5	0.1
90-180	7	0.1
0-180	5895	100.0

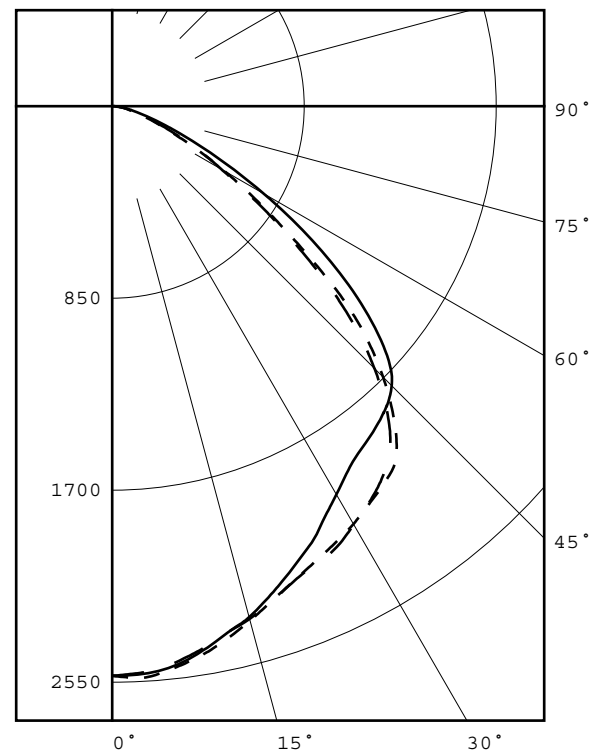
TOTAL INPUT WATTS = 80.5

EFFICACY = 73.2 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.3 1.3



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 = 80.5 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%) : 101.6 X 100.2 DEGREES
FIELD ANGLE (10%) : 134.9 X 135.9 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2523	2523	2523	2523	2523
5.0	2519	2519	2507	2493	2498
10.0	2452	2450	2434	2422	2427
15.0	2358	2352	2342	2333	2350
20.0	2265	2248	2227	2239	2266
25.0	2195	2145	2115	2150	2212
30.0	2137	2046	1986	2057	2139
35.0	2070	1964	1888	1968	2055
40.0	1960	1900	1832	1857	1916
45.0	1696	1718	1750	1654	1643
50.0	1343	1409	1514	1332	1276
55.0	896	988	1156	952	872
60.0	574	628	776	620	559
65.0	334	378	463	385	350
70.0	189	211	256	223	202
75.0	106	115	135	125	119
80.0	59	62	72	73	72
85.0	27	28	31	32	31
90.0	1	1	1	2	2
95.0	0	0	0	0	0
100.0	0	1	1	1	1
105.0	0	1	1	1	1
110.0	0	1	1	1	1
115.0	1	1	1	1	1
120.0	1	1	1	1	1
125.0	1	1	1	1	1
130.0	1	1	1	1	1
135.0	1	1	1	1	1
140.0	1	1	1	2	1
145.0	2	1	2	2	2
150.0	1	2	2	2	2
155.0	2	2	2	2	2
160.0	2	2	2	2	2
165.0	2	2	2	2	2
170.0	2	2	2	2	2
175.0	2	2	2	2	2
180.0	2	2	2	2	2

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ZONAL LUMEN SUMMARY

0- 5	60.
5- 10	177.
10- 15	283.
15- 20	378.
20- 25	461.
25- 30	532.
30- 35	593.
35- 40	643.
40- 45	665.
45- 50	627.
50- 55	518.
55- 60	377.
60- 65	250.
65- 70	152.
70- 75	88.
75- 80	50.
80- 85	27.
85- 90	8.
90- 95	0.
95-100	0.
100-105	0.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	1.
145-150	1.
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	60
5- 10	177
10- 15	283
15- 20	378
20- 25	461
25- 30	532
30- 35	593
35- 40	643
40- 45	665
45- 50	627
50- 55	518
55- 60	377
60- 65	250
65- 70	152
70- 75	88
75- 80	50
80- 85	27
85- 90	8
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	1
145-150	1
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	237
0- 20	898
0- 30	1892
0- 40	3128
0- 50	4420
0- 60	5314
0- 70	5717
0- 80	5854
0- 90	5888
0-100	5888
0-110	5889
0-120	5890
0-130	5891
0-140	5892
0-150	5893
0-160	5894
0-170	5895
0-180	5895

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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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	61	53	47	72	60	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29

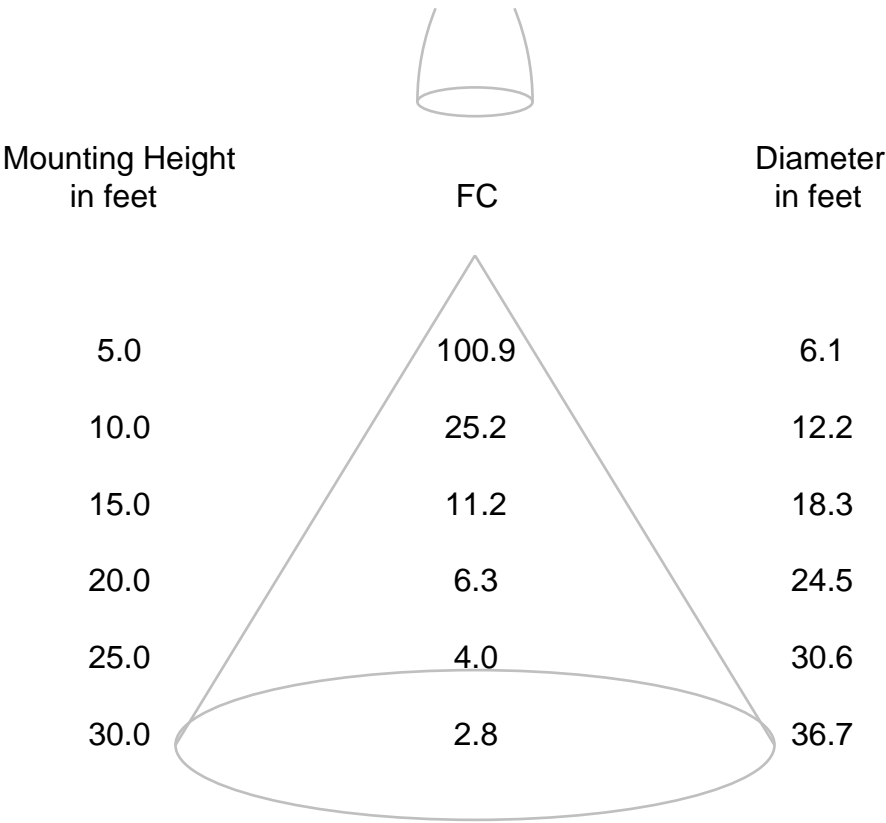
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.