

REPORT NUMBER: SCALED FROM RAB00750

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR80NW/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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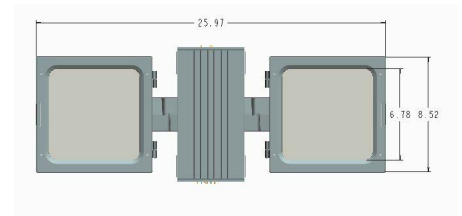
DATE SAMPLE TESTED: 03/17/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2640	2640	2640	2640	2640
5	2655	2644	2627	2605	2605
15	2540	2519	2493	2481	2484
25	2361	2326	2277	2307	2362
35	2154	2093	2044	2094	2162
45	1754	1726	1709	1722	1758
55	1134	1180	1324	1194	1146
65	533	589	713	601	544
75	201	223	268	231	206
85	32	37	45	40	36
90	1	2	3	4	4
95	0	0	1	1	0
105	1	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

249
705
1071
1308
1330
1075
616
253
51
1
1
1
1
1
1
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2025	30.4
0- 40	3333	50.0
0- 60	5738	86.1
0- 90	6657	99.9
90-120	2	0.0
90-130	3	0.0
90-150	5	0.1
90-180	7	0.1
0-180	6664	100.0

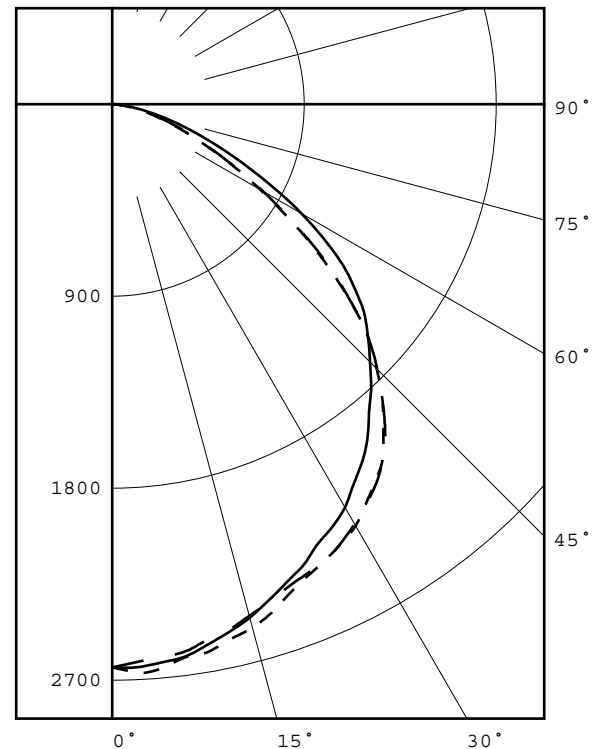
TOTAL INPUT WATTS = 78.3

EFFICACY = 85.1 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 =78.3 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%) : 104.2 X 104.4 DEGREES
FIELD ANGLE (10%) : 144.7 X 145.4 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2640	2640	2640	2640	2640
5.0	2655	2644	2627	2605	2605
10.0	2606	2590	2573	2552	2551
15.0	2540	2519	2493	2481	2484
20.0	2439	2420	2388	2400	2410
25.0	2361	2326	2277	2307	2362
30.0	2283	2225	2182	2211	2273
35.0	2154	2093	2044	2094	2162
40.0	1979	1921	1875	1926	1991
45.0	1754	1726	1709	1722	1758
50.0	1478	1484	1548	1485	1479
55.0	1134	1180	1324	1194	1146
60.0	803	870	1026	880	817
65.0	533	589	713	601	544
70.0	339	375	457	386	351
75.0	201	223	268	231	206
80.0	102	114	132	118	104
85.0	32	37	45	40	36
90.0	1	2	3	4	4
95.0	0	0	1	1	0
100.0	0	1	1	1	1
105.0	1	1	1	1	1
110.0	0	0	1	1	0
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	2
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	63.
5- 10	186.
10- 15	301.
15- 20	404.
20- 25	495.
25- 30	575.
30- 35	636.
35- 40	672.
40- 45	677.
45- 50	653.
50- 55	589.
55- 60	486.
60- 65	364.
65- 70	251.
70- 75	161.
75- 80	92.
80- 85	41.
85- 90	10.
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	0.
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	63
5- 10	186
10- 15	301
15- 20	404
20- 25	495
25- 30	575
30- 35	636
35- 40	672
40- 45	677
45- 50	653
50- 55	589
55- 60	486
60- 65	364
65- 70	251
70- 75	161
75- 80	92
80- 85	41
85- 90	10
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	0
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	249
0- 20	954
0- 30	2025
0- 40	3333
0- 50	4663
0- 60	5738
0- 70	6353
0- 80	6606
0- 90	6657
0-100	6658
0-110	6658
0-120	6659
0-130	6660
0-140	6661
0-150	6662
0-160	6663
0-170	6663
0-180	6664

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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	39	33	29	39	33	29	27

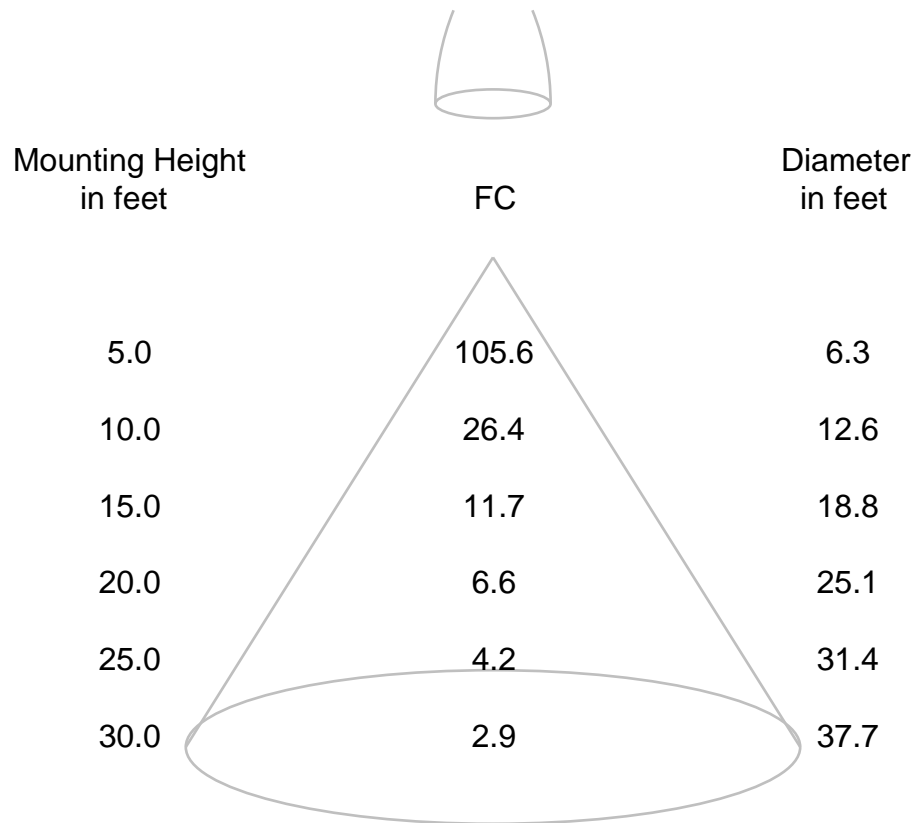
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.