

REPORT NUMBER: SCALED FROM RAB00901

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA160NW/480

LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, 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.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

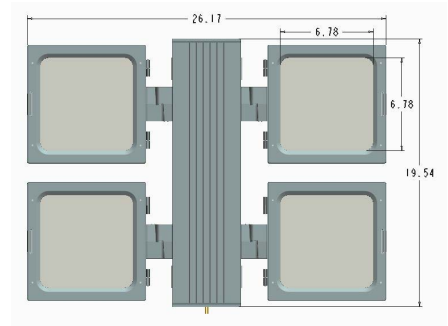
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DATE SAMPLE TESTED: 05/26/15

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	13648	13648	13648	13648	13648	
5	12812	12936	13158	13411	13535	1197
15	6601	7060	8630	11660	13078	2603
25	3333	3717	5062	8413	11944	2841
35	846	1195	2642	5424	9915	2316
45	241	356	978	3380	7822	1706
55	119	153	367	1930	5713	1204
65	82	99	176	862	3582	743
75	48	60	93	324	1792	378
85	12	22	50	143	644	154
90	0	11	34	92	305	
95	0	3	14	52	121	38
105	0	2	0	0	0	1
115	0	2	0	0	0	0
125	0	2	0	0	0	0
135	0	3	1	0	0	1
145	1	4	4	1	0	1
155	3	6	4	0	0	1
165	5	8	4	0	0	1
175	6	9	5	0	0	0
180	4	4	4	4	4	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	6640	50.4
0- 40	8956	67.9
0- 60	11866	90.0
0- 90	13141	99.7
90-120	40	0.3
90-130	40	0.3
90-150	43	0.3
90-180	45	0.3
0-180	13187	100.0

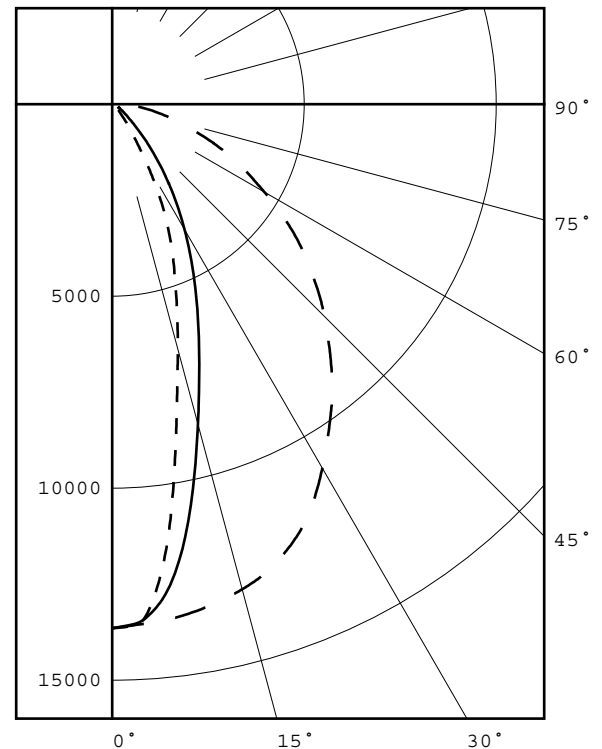
TOTAL INPUT WATTS = 155.9

EFFICACY = 84.6 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 0.5 1.2



LEGEND:

0-deg: - - - - -  
45-deg: \_\_\_\_\_  
90-deg: - - - - -

Checked

X.CAO

Approved

D.WANG-MUNSON

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ADDITIONAL INFORMATION

LAMPS: SIXTY-FOUR WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), TILTED  
15-DEGREES FROM VERTICAL BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS =155.9 AT 480.0 VAC.

LED DRIVER: RD-T150-A0700/480

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG  
BEAM ANGLE (50%) : 29.1 X 99.4 DEGREES  
FIELD ANGLE (10%) : 64.0 X 156.5 DEGREES

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### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	13648	13648	13648	13648	13648
5.0	12812	12936	13158	13411	13535
10.0	9410	9918	11222	12775	13354
15.0	6601	7060	8630	11660	13078
20.0	4761	5177	6606	10114	12640
25.0	3333	3717	5062	8413	11944
30.0	1848	2353	3774	6806	10945
35.0	846	1195	2642	5424	9915
40.0	435	621	1695	4316	8876
45.0	241	356	978	3380	7822
50.0	157	216	569	2603	6757
55.0	119	153	367	1930	5713
60.0	99	120	247	1355	4580
65.0	82	99	176	862	3582
70.0	65	80	133	524	2620
75.0	48	60	93	324	1792
80.0	29	39	64	212	1152
85.0	12	22	50	143	644
90.0	0	11	34	92	305
95.0	0	3	14	52	121
100.0	0	2	0	9	29
105.0	0	2	0	0	0
110.0	0	2	0	0	0
115.0	0	2	0	0	0
120.0	0	2	0	0	0
125.0	0	2	0	0	0
130.0	0	2	0	0	0
135.0	0	3	1	0	0
140.0	0	3	3	1	0
145.0	1	4	4	1	0
150.0	2	5	4	1	0
155.0	3	6	4	0	0
160.0	4	7	4	0	0
165.0	5	8	4	0	0
170.0	5	8	4	0	0
175.0	6	9	5	0	0
180.0	4	4	4	4	4

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## ZONAL LUMEN SUMMARY

0- 5	321.
5- 10	876.
10- 15	1214.
15- 20	1389.
20- 25	1448.
25- 30	1393.
30- 35	1241.
35- 40	1074.
40- 45	922.
45- 50	784.
50- 55	661.
55- 60	543.
60- 65	425.
65- 70	318.
70- 75	225.
75- 80	153.
80- 85	97.
85- 90	56.
90- 95	28.
95-100	10.
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	1.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	0.
170-175	0.
175-180	0.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	321
5- 10	876
10- 15	1214
15- 20	1389
20- 25	1448
25- 30	1393
30- 35	1241
35- 40	1074
40- 45	922
45- 50	784
50- 55	661
55- 60	543
60- 65	425
65- 70	318
70- 75	225
75- 80	153
80- 85	97
85- 90	56
90- 95	28
95-100	10
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	1
145-150	1
150-155	1
155-160	1
160-165	1
165-170	0
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1197
0- 20	3800
0- 30	6640
0- 40	8956
0- 50	10662
0- 60	11866
0- 70	12610
0- 80	12987
0- 90	13141
0-100	13179
0-110	13181
0-120	13181
0-130	13182
0-140	13183
0-150	13184
0-160	13185
0-170	13186
0-180	13187

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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	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	97	92	87	101	95	91	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	64	57	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39

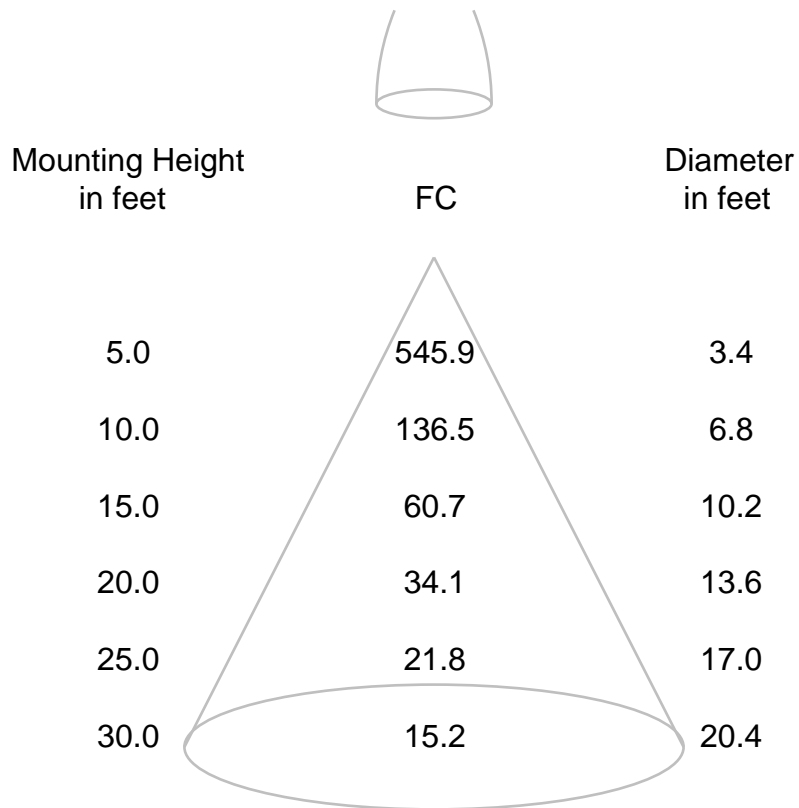
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.