

REPORT NUMBER: SCALED FROM RAB00899

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA160W/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)

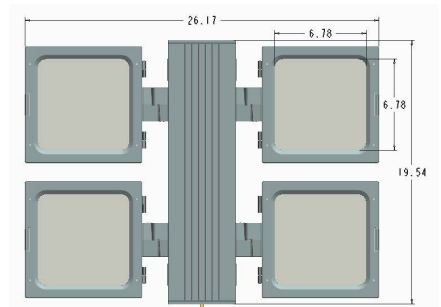
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DATE SAMPLE TESTED: 05/26/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	13617	13617	13617	13617	13617	
5	12849	12944	13144	13354	13454	1205
15	6912	7512	9145	11784	12876	2673
25	3378	3764	5212	8767	11646	2900
35	1030	1448	2799	5858	9766	2440
45	209	350	1208	3657	7939	1810
55	102	128	407	2187	5929	1285
65	61	76	139	1119	3704	806
75	31	40	65	466	2102	442
85	6	14	34	204	1033	215
90	0	7	20	123	614	
95	0	3	7	57	292	62
105	0	2	0	0	0	2
115	0	2	0	0	0	0
125	0	2	0	0	0	1
135	0	3	1	0	0	1
145	1	4	3	1	0	1
155	2	6	4	0	0	1
165	5	7	4	0	0	1
175	6	9	5	0	0	0
180	5	5	5	5	5	

FLUX



ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	6779	49.0
0- 40	9219	66.6
0- 60	12315	88.9
0- 90	13777	99.5
90-120	65	0.5
90-130	65	0.5
90-150	68	0.5
90-180	70	0.5
0-180	13847	100.0

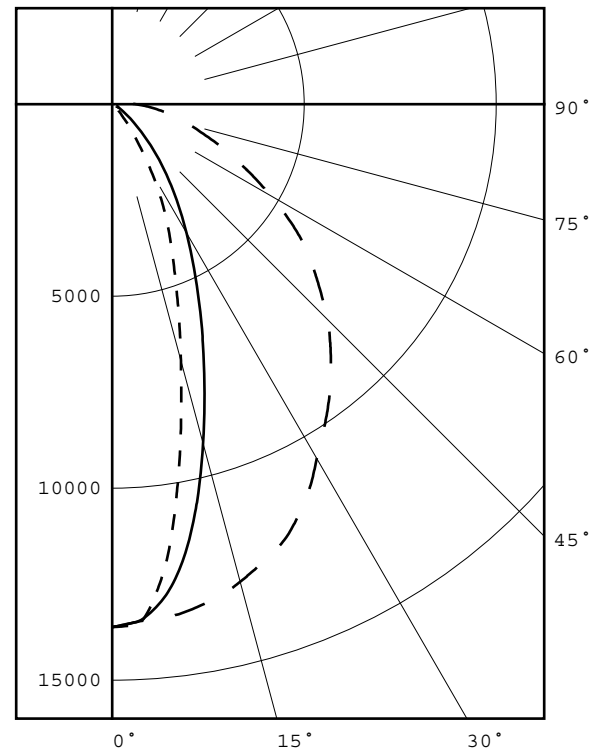
TOTAL INPUT WATTS = 153.4

EFFICACY = 90.3 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 =153.4 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%) : 30.5 X 101.1 DEGREES
FIELD ANGLE (10%): 66.3 X 163.4 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	13617	13617	13617	13617	13617
5.0	12849	12944	13144	13354	13454
10.0	9900	10444	11528	12778	13255
15.0	6912	7512	9145	11784	12876
20.0	4796	5272	6953	10365	12382
25.0	3378	3764	5212	8767	11646
30.0	2067	2546	3868	7224	10657
35.0	1030	1448	2799	5858	9766
40.0	460	738	1927	4677	8862
45.0	209	350	1208	3657	7939
50.0	136	182	709	2839	6914
55.0	102	128	407	2187	5929
60.0	79	98	229	1625	4757
65.0	61	76	139	1119	3704
70.0	46	57	93	721	2822
75.0	31	40	65	466	2102
80.0	18	25	47	316	1543
85.0	6	14	34	204	1033
90.0	0	7	20	123	614
95.0	0	3	7	57	292
100.0	0	2	0	9	64
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	3	1	0	0
135.0	0	3	1	0	0
140.0	0	4	3	1	0
145.0	1	4	3	1	0
150.0	1	5	4	0	0
155.0	2	6	4	0	0
160.0	3	7	4	0	0
165.0	5	7	4	0	0
170.0	6	8	5	0	0
175.0	6	9	5	0	0
180.0	5	5	5	5	5

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ZONAL LUMEN SUMMARY

0- 5	320.
5- 10	885.
10- 15	1249.
15- 20	1424.
20- 25	1473.
25- 30	1427.
30- 35	1299.
35- 40	1141.
40- 45	980.
45- 50	831.
50- 55	703.
55- 60	582.
60- 65	459.
65- 70	347.
70- 75	255.
75- 80	187.
80- 85	131.
85- 90	83.
90- 95	45.
95-100	17.
100-105	2.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	1.
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	320
5- 10	885
10- 15	1249
15- 20	1424
20- 25	1473
25- 30	1427
30- 35	1299
35- 40	1141
40- 45	980
45- 50	831
50- 55	703
55- 60	582
60- 65	459
65- 70	347
70- 75	255
75- 80	187
80- 85	131
85- 90	83
90- 95	45
95-100	17
100-105	2
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	1
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	1205
0- 20	3879
0- 30	6779
0- 40	9219
0- 50	11029
0- 60	12315
0- 70	13121
0- 80	13562
0- 90	13777
0-100	13839
0-110	13841
0-120	13842
0-130	13842
0-140	13843
0-150	13845
0-160	13846
0-170	13847
0-180	13847

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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	91	90	88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	69
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63
5	84	74	66	61	82	73	66	60	70	64	60	69	63	59	67	62	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	56	51	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	59	52	47	69	58	51	46	57	51	46	56	50	46	55	49	46	44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38

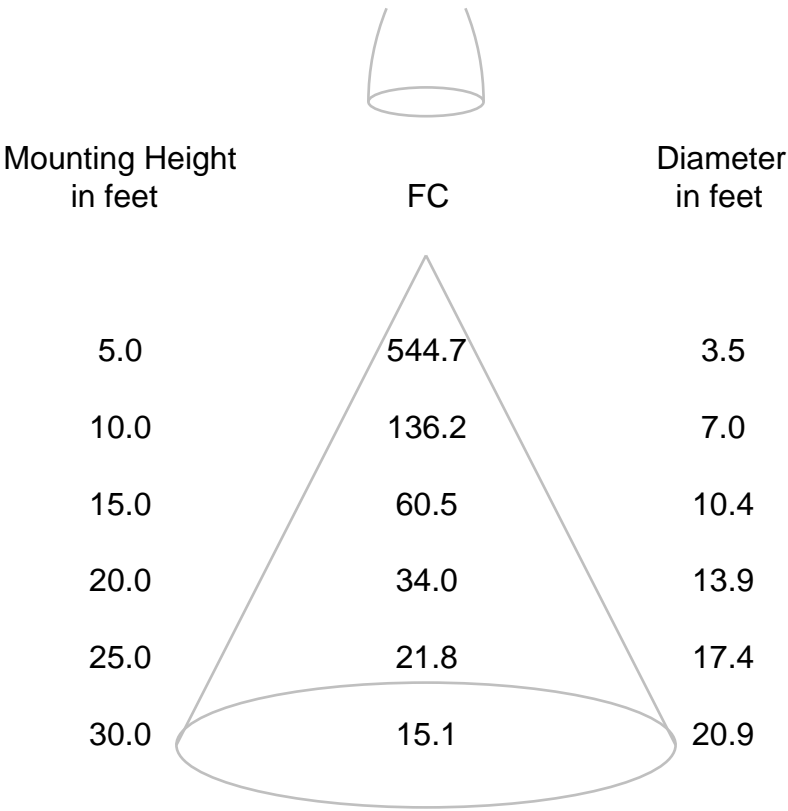
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.