

REPORT NUMBER: SCALED FROM RAB00903

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA160YW/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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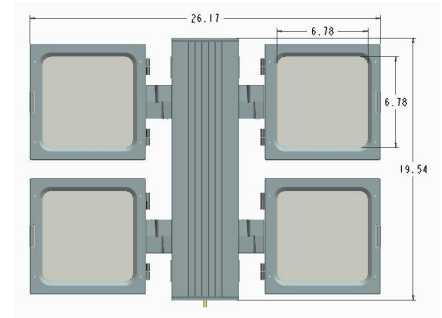
DATE SAMPLE TESTED: 05/22/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	11823	11823	11823	11823	11823
5	11273	11379	11512	11651	11712
15	5993	6449	7781	10305	11219
25	2893	3299	4560	7470	10135
35	855	1170	2357	4885	8340
45	250	370	964	3107	6592
55	125	157	386	1819	4835
65	82	99	178	884	3063
75	48	58	88	354	1559
85	12	22	51	155	619
90	0	11	35	100	331
95	0	3	15	56	152
105	0	2	0	0	0
115	0	2	0	0	0
125	0	2	0	0	0
135	0	3	2	0	0
145	1	4	3	1	0
155	2	5	3	0	0
165	4	7	4	0	0
175	6	8	5	0	0
180	4	4	4	4	4

FLUX

1051
2316
2504
2054
1530
1089
682
352
153
43
2
0
1
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5870	49.8
0- 40	7925	67.3
0- 60	10543	89.5
0- 90	11730	99.6
90-120	46	0.4
90-130	46	0.4
90-150	48	0.4
90-180	51	0.4
0-180	11781	100.0

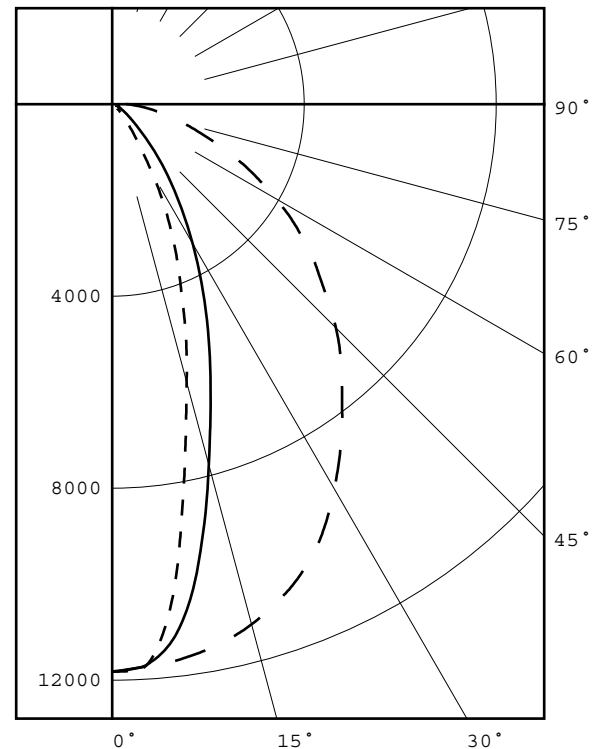
TOTAL INPUT WATTS = 160.6

EFFICACY = 73.4 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 =160.6 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 97.2 DEGREES
FIELD ANGLE (10%): 65.2 X 157.1 DEGREES

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	0.0	22.5	45.0	67.5	90.0
0.0	11823	11823	11823	11823	11823
5.0	11273	11379	11512	11651	11712
10.0	8461	8950	10022	11198	11530
15.0	5993	6449	7781	10305	11219
20.0	4240	4688	5985	8955	10764
25.0	2893	3299	4560	7470	10135
30.0	1693	2138	3353	6066	9255
35.0	855	1170	2357	4885	8340
40.0	457	642	1576	3915	7441
45.0	250	370	964	3107	6592
50.0	165	222	595	2414	5662
55.0	125	157	386	1819	4835
60.0	100	122	255	1318	3930
65.0	82	99	178	884	3063
70.0	65	79	129	561	2209
75.0	48	58	88	354	1559
80.0	29	38	63	235	1041
85.0	12	22	51	155	619
90.0	0	11	35	100	331
95.0	0	3	15	56	152
100.0	0	2	0	14	39
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	1	0	0
135.0	0	3	2	0	0
140.0	1	3	2	1	0
145.0	1	4	3	1	0
150.0	1	4	4	1	0
155.0	2	5	3	0	0
160.0	3	6	4	0	0
165.0	4	7	4	0	0
170.0	5	7	4	0	0
175.0	6	8	5	0	0
180.0	4	4	4	4	4

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ZONAL LUMEN SUMMARY

0- 5	279.
5- 10	771.
10- 15	1080.
15- 20	1236.
20- 25	1278.
25- 30	1225.
30- 35	1098.
35- 40	956.
40- 45	826.
45- 50	703.
50- 55	595.
55- 60	493.
60- 65	390.
65- 70	292.
70- 75	208.
75- 80	144.
80- 85	95.
85- 90	58.
90- 95	31.
95-100	12.
100-105	2.
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	0.
165-170	0.
170-175	0.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	279
5- 10	771
10- 15	1080
15- 20	1236
20- 25	1278
25- 30	1225
30- 35	1098
35- 40	956
40- 45	826
45- 50	703
50- 55	595
55- 60	493
60- 65	390
65- 70	292
70- 75	208
75- 80	144
80- 85	95
85- 90	58
90- 95	31
95-100	12
100-105	2
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	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1051
0- 20	3367
0- 30	5870
0- 40	7925
0- 50	9454
0- 60	10543
0- 70	11225
0- 80	11577
0- 90	11730
0-100	11773
0-110	11775
0-120	11775
0-130	11776
0-140	11777
0-150	11778
0-160	11779
0-170	11780
0-180	11781

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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	103	97	92	87	101	95	90	86	92	88	84	88	85	82	86	83	80	78
3	96	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	68	65	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

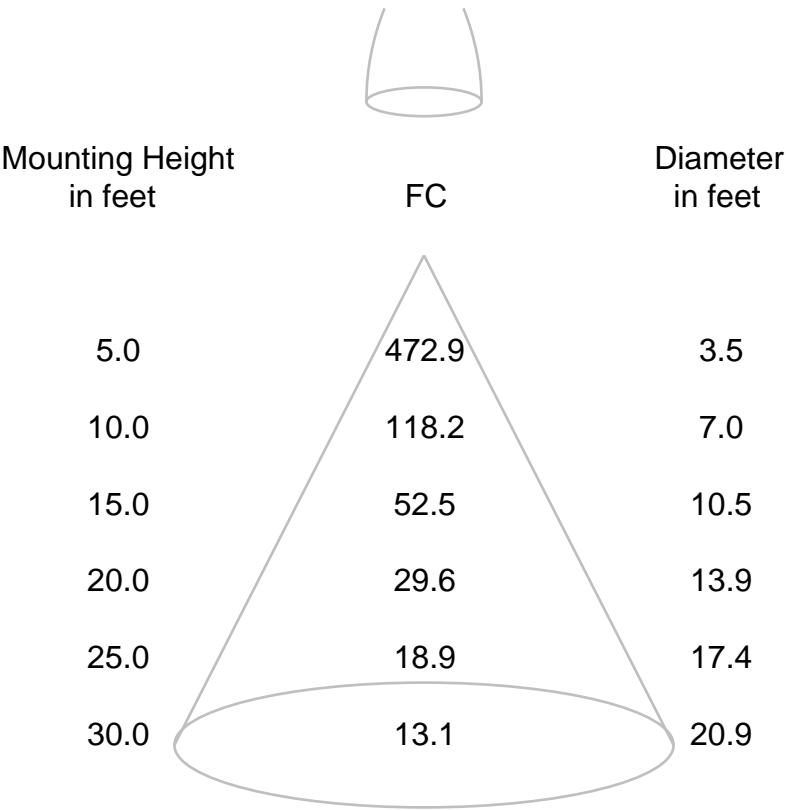
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.