

REPORT NUMBER: SCALED FROM RAB00734

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR160W/480

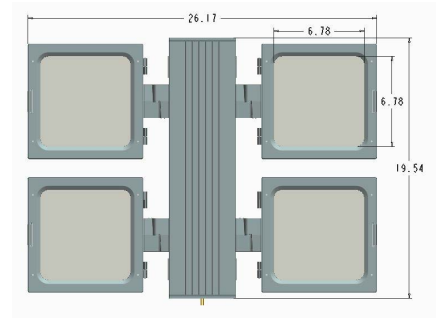
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	5511	5511	5511	5511	5511	
5	5513	5497	5462	5441	5453	519
15	5288	5251	5194	5176	5192	1474
25	4979	4881	4806	4843	4921	2248
35	4521	4380	4336	4476	4599	2767
45	3704	3644	3635	3718	3806	2839
55	2485	2579	2850	2616	2508	2341
65	1248	1359	1576	1331	1189	1375
75	481	531	597	493	447	570
85	83	95	106	87	70	118
90	6	7	5	5	3	
95	1	1	1	0	0	1
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	1	1	1	1	2	1
135	2	2	2	2	2	2
145	3	3	3	3	3	2
155	3	3	3	3	3	1
165	3	3	3	3	3	1
175	3	3	3	3	3	0
180	3	3	3	3	3	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	4241	29.7
0- 40	7008	49.1
0- 60	12188	85.5
0- 90	14252	99.9
90-120	3	0.0
90-130	5	0.0
90-150	8	0.1
90-180	10	0.1
0-180	14262	100.0

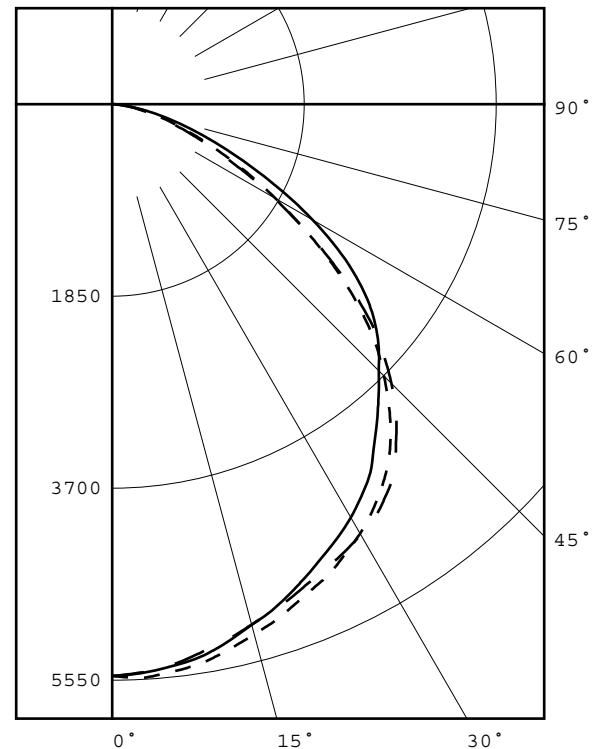
TOTAL INPUT WATTS = 153.6

EFFICACY = 92.9 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

LAMP: SIXTY-FOUR WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), VERTICAL  
BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS =153.6 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%) : 105.9 X 106.5 DEGREES  
FIELD ANGLE (10%) : 147.4 X 146.1 DEGREES

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## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	5511	5511	5511	5511	5511
5.0	5513	5497	5462	5441	5453
10.0	5433	5404	5368	5330	5331
15.0	5288	5251	5194	5176	5192
20.0	5134	5067	5015	5012	5055
25.0	4979	4881	4806	4843	4921
30.0	4778	4669	4598	4685	4792
35.0	4521	4380	4336	4476	4599
40.0	4174	4022	3971	4138	4255
45.0	3704	3644	3635	3718	3806
50.0	3156	3157	3312	3228	3243
55.0	2485	2579	2850	2616	2508
60.0	1823	1941	2232	1935	1796
65.0	1248	1359	1576	1331	1189
70.0	797	881	1017	826	756
75.0	481	531	597	493	447
80.0	252	278	300	262	225
85.0	83	95	106	87	70
90.0	6	7	5	5	3
95.0	1	1	1	0	0
100.0	1	1	1	1	1
105.0	1	1	1	1	1
110.0	1	1	1	1	1
115.0	1	1	1	1	1
120.0	1	1	1	1	1
125.0	1	1	1	1	2
130.0	2	2	2	2	2
135.0	2	2	2	2	2
140.0	2	2	2	2	2
145.0	3	3	3	3	3
150.0	3	3	3	3	3
155.0	3	3	3	3	3
160.0	3	3	3	3	3
165.0	3	3	3	3	3
170.0	3	3	3	3	3
175.0	3	3	3	3	3
180.0	3	3	3	3	3

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## ZONAL LUMEN SUMMARY

0- 5	131.
5- 10	388.
10- 15	628.
15- 20	846.
20- 25	1039.
25- 30	1209.
30- 35	1344.
35- 40	1423.
40- 45	1441.
45- 50	1399.
50- 55	1276.
55- 60	1065.
60- 65	811.
65- 70	564.
70- 75	361.
75- 80	209.
80- 85	96.
85- 90	23.
90- 95	1.
95-100	0.
100-105	1.
105-110	1.
110-115	1.
115-120	0.
120-125	0.
125-130	1.
130-135	1.
135-140	1.
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	131
5- 10	388
10- 15	628
15- 20	846
20- 25	1039
25- 30	1209
30- 35	1344
35- 40	1423
40- 45	1441
45- 50	1399
50- 55	1276
55- 60	1065
60- 65	811
65- 70	564
70- 75	361
75- 80	209
80- 85	96
85- 90	23
90- 95	1
95-100	0
100-105	1
105-110	1
110-115	1
115-120	0
120-125	0
125-130	1
130-135	1
135-140	1
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	519
0- 20	1993
0- 30	4241
0- 40	7008
0- 50	9847
0- 60	12188
0- 70	13563
0- 80	14133
0- 90	14252
0-100	14253
0-110	14254
0-120	14255
0-130	14256
0-140	14258
0-150	14259
0-160	14261
0-170	14262
0-180	14262

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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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	68	90	81	74	68	78	72	67	75	70	66	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26

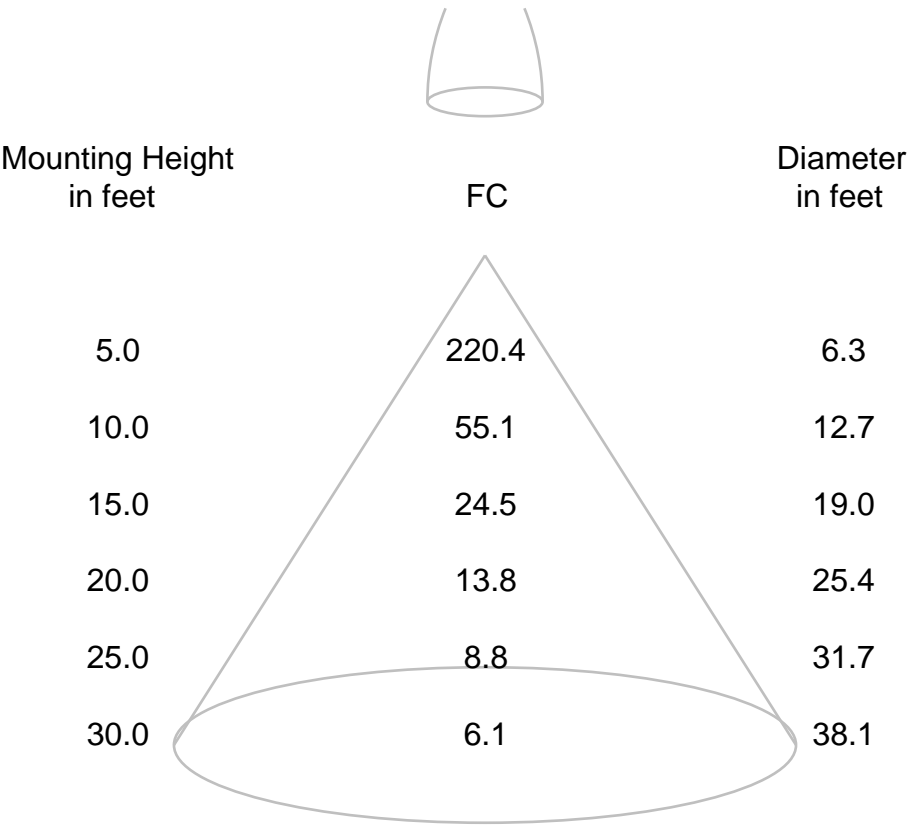
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.