

REPORT NUMBER: SCALED FROM RAB00734

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR160W/D10

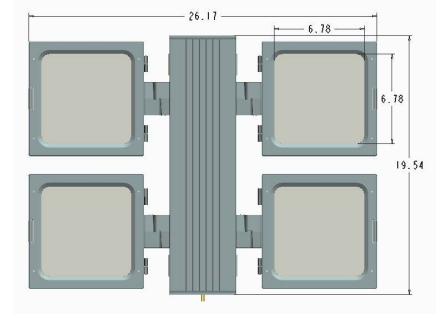
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	5494	5494	5494	5494	5494	
5	5496	5480	5446	5425	5437	518
15	5273	5236	5178	5160	5176	1469
25	4965	4866	4792	4828	4907	2241
35	4507	4367	4323	4463	4586	2759
45	3693	3633	3624	3707	3794	2831
55	2477	2572	2841	2609	2500	2334
65	1245	1355	1572	1327	1186	1371
75	479	530	595	491	445	568
85	83	94	105	86	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	4228	29.7
0- 40	6987	49.1
0- 60	12152	85.5
0- 90	14209	99.9
90-120	3	0.0
90-130	5	0.0
90-150	8	0.1
90-180	10	0.1
0-180	14220	100.0

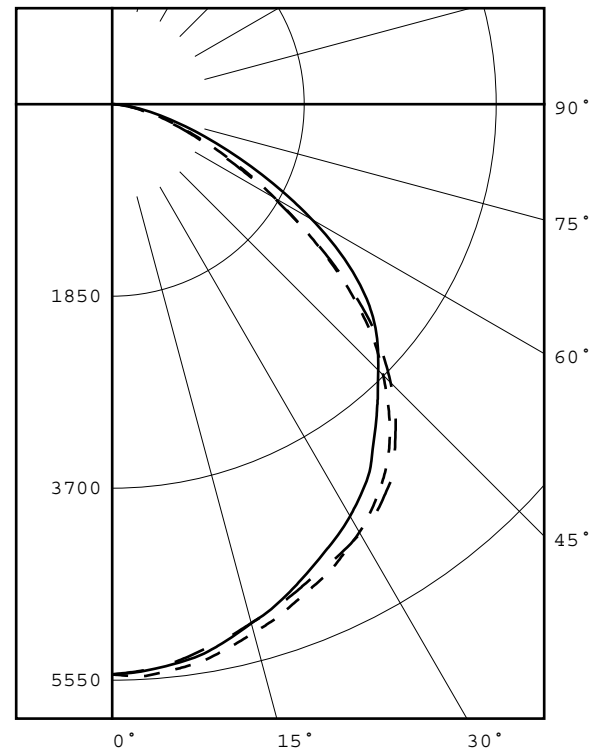
TOTAL INPUT WATTS = 155.9

EFFICACY = 91.2 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 =155.9 AT 120.0 VAC.

LED DRIVER: RD-144-Q0700-C

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	5494	5494	5494	5494	5494
5.0	5496	5480	5446	5425	5437
10.0	5417	5388	5352	5314	5315
15.0	5273	5236	5178	5160	5176
20.0	5119	5052	5000	4997	5040
25.0	4965	4866	4792	4828	4907
30.0	4764	4655	4585	4671	4778
35.0	4507	4367	4323	4463	4586
40.0	4161	4010	3960	4126	4243
45.0	3693	3633	3624	3707	3794
50.0	3146	3147	3302	3219	3234
55.0	2477	2572	2841	2609	2500
60.0	1817	1936	2226	1930	1790
65.0	1245	1355	1572	1327	1186
70.0	794	879	1014	823	754
75.0	479	530	595	491	445
80.0	252	277	299	261	225
85.0	83	94	105	86	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	387.
10- 15	626.
15- 20	843.
20- 25	1036.
25- 30	1205.
30- 35	1340.
35- 40	1418.
40- 45	1436.
45- 50	1394.
50- 55	1273.
55- 60	1062.
60- 65	809.
65- 70	562.
70- 75	360.
75- 80	209.
80- 85	95.
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	387
10- 15	626
15- 20	843
20- 25	1036
25- 30	1205
30- 35	1340
35- 40	1418
40- 45	1436
45- 50	1394
50- 55	1273
55- 60	1062
60- 65	809
65- 70	562
70- 75	360
75- 80	209
80- 85	95
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	518
0- 20	1987
0- 30	4228
0- 40	6987
0- 50	9818
0- 60	12152
0- 70	13523
0- 80	14091
0- 90	14209
0-100	14211
0-110	14212
0-120	14213
0-130	14214
0-140	14216
0-150	14217
0-160	14219
0-170	14219
0-180	14220

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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

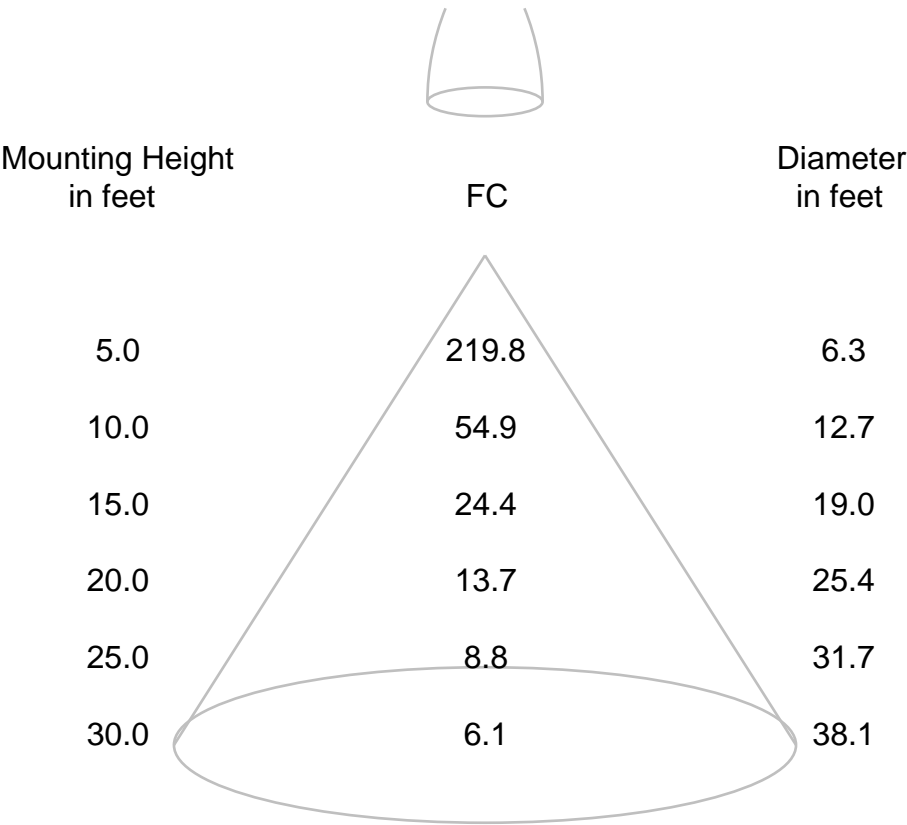
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.