

REPORT NUMBER: SCALED FROM RAB00738

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR160NW/480

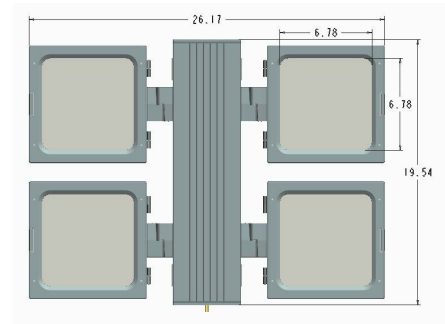
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	5519	5519	5519	5519	5519	
5	5531	5523	5482	5466	5477	521
15	5307	5279	5200	5180	5163	1474
25	4961	4863	4757	4790	4844	2230
35	4427	4297	4240	4400	4504	2713
45	3573	3489	3497	3610	3625	2733
55	2322	2429	2693	2435	2286	2193
65	1150	1241	1442	1177	1021	1246
75	439	479	534	426	373	504
85	76	84	98	71	60	104
90	7	5	6	5	4	
95	0	0	0	0	0	1
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	1	1	1	1	1	1
135	2	2	2	2	2	1
145	2	2	2	2	2	1
155	3	2	2	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	4224	30.8
0- 40	6938	50.5
0- 60	11863	86.4
0- 90	13716	99.9
90-120	3	0.0
90-130	4	0.0
90-150	6	0.0
90-180	9	0.1
0-180	13725	100.0

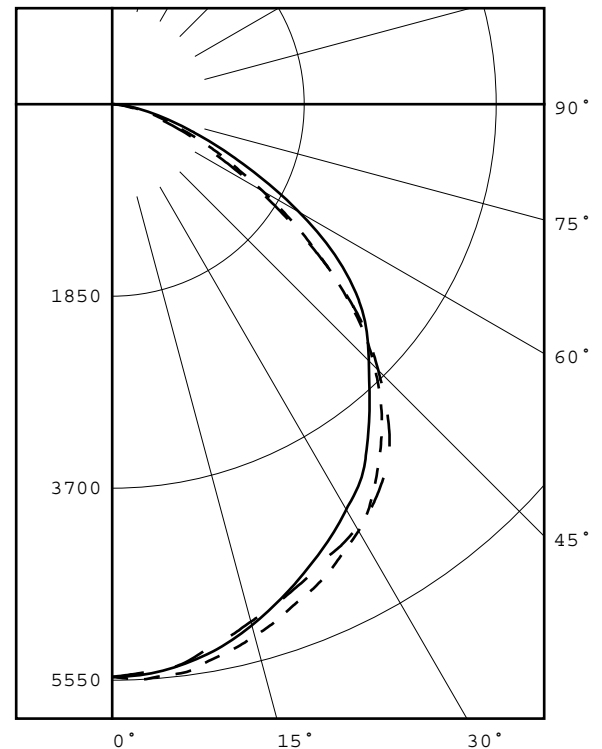
TOTAL INPUT WATTS = 155.9

EFFICACY = 88.0 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 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%) : 103.4 X 103.5 DEGREES  
FIELD ANGLE (10%) : 145.5 X 143.0 DEGREES

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## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	5519	5519	5519	5519	5519
5.0	5531	5523	5482	5466	5477
10.0	5440	5437	5375	5334	5326
15.0	5307	5279	5200	5180	5163
20.0	5132	5072	4984	4997	5008
25.0	4961	4863	4757	4790	4844
30.0	4749	4623	4511	4611	4716
35.0	4427	4297	4240	4400	4504
40.0	4041	3905	3858	4053	4157
45.0	3573	3489	3497	3610	3625
50.0	2998	3004	3160	3087	3033
55.0	2322	2429	2693	2435	2286
60.0	1675	1806	2083	1759	1591
65.0	1150	1241	1442	1177	1021
70.0	726	799	919	723	650
75.0	439	479	534	426	373
80.0	229	249	263	217	185
85.0	76	84	98	71	60
90.0	7	5	6	5	4
95.0	0	0	0	0	0
100.0	0	1	1	1	0
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	1
130.0	1	1	1	1	1
135.0	2	2	2	2	2
140.0	2	2	2	2	2
145.0	2	2	2	2	2
150.0	2	2	2	3	3
155.0	3	2	2	3	3
160.0	3	3	3	3	3
165.0	3	3	3	3	3
170.0	3	3	2	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	132.
5- 10	389.
10- 15	629.
15- 20	845.
20- 25	1034.
25- 30	1196.
30- 35	1323.
35- 40	1390.
40- 45	1394.
45- 50	1339.
50- 55	1204.
55- 60	989.
60- 65	739.
65- 70	506.
70- 75	321.
75- 80	184.
80- 85	83.
85- 90	20.
90- 95	1.
95-100	0.
100-105	0.
105-110	1.
110-115	1.
115-120	0.
120-125	0.
125-130	0.
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	132
5- 10	389
10- 15	629
15- 20	845
20- 25	1034
25- 30	1196
30- 35	1323
35- 40	1390
40- 45	1394
45- 50	1339
50- 55	1204
55- 60	989
60- 65	739
65- 70	506
70- 75	321
75- 80	184
80- 85	83
85- 90	20
90- 95	1
95-100	0
100-105	0
105-110	1
110-115	1
115-120	0
120-125	0
125-130	0
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	521
0- 20	1995
0- 30	4224
0- 40	6938
0- 50	9670
0- 60	11863
0- 70	13109
0- 80	13613
0- 90	13716
0-100	13717
0-110	13718
0-120	13719
0-130	13720
0-140	13721
0-150	13723
0-160	13724
0-170	13725
0-180	13725

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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	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

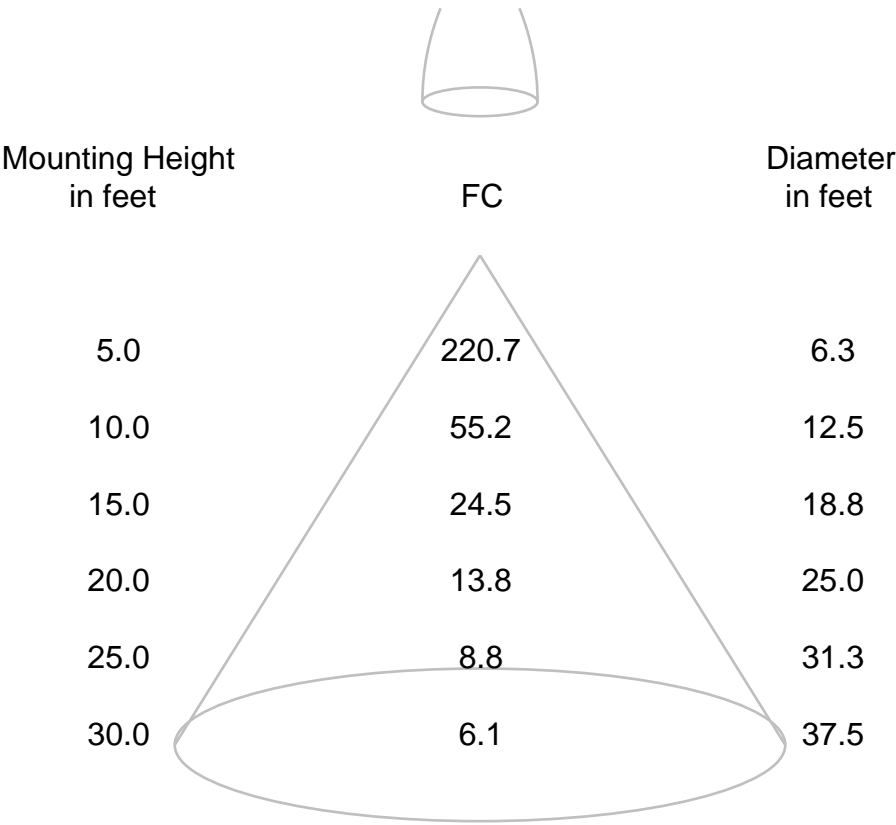
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.