

REPORT NUMBER: SCALED FROM RAB00730

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230YW/480

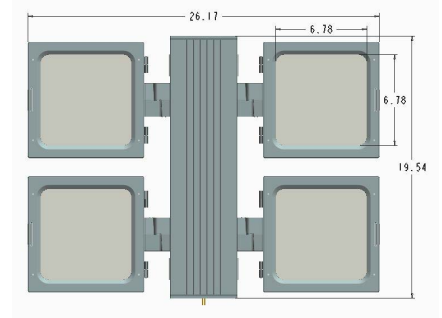
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	7701	7701	7701	7701	7701	
5	7726	7695	7644	7623	7611	726
15	7367	7356	7306	7309	7309	2069
25	6889	6871	6813	6815	6841	3156
35	6166	6135	6118	6078	6072	3809
45	4801	4830	4931	4779	4716	3695
55	2825	2976	3350	2978	2822	2706
65	1160	1308	1592	1338	1194	1379
75	386	445	540	468	424	512
85	53	62	85	64	57	93
90	2	2	2	2	2	
95	1	1	1	1	1	1
105	1	1	1	2	1	1
115	1	2	2	2	2	2
125	2	2	2	3	3	2
135	4	4	4	4	4	3
145	5	5	5	5	6	3
155	6	6	6	6	6	3
165	6	6	6	6	6	2
175	7	7	6	7	7	1
180	7	7	7	7	7	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5951	32.8
0- 40	9761	53.7
0- 60	16162	89.0
0- 90	18147	99.9
90-120	4	0.0
90-130	7	0.0
90-150	13	0.1
90-180	18	0.1
0-180	18165	100.0

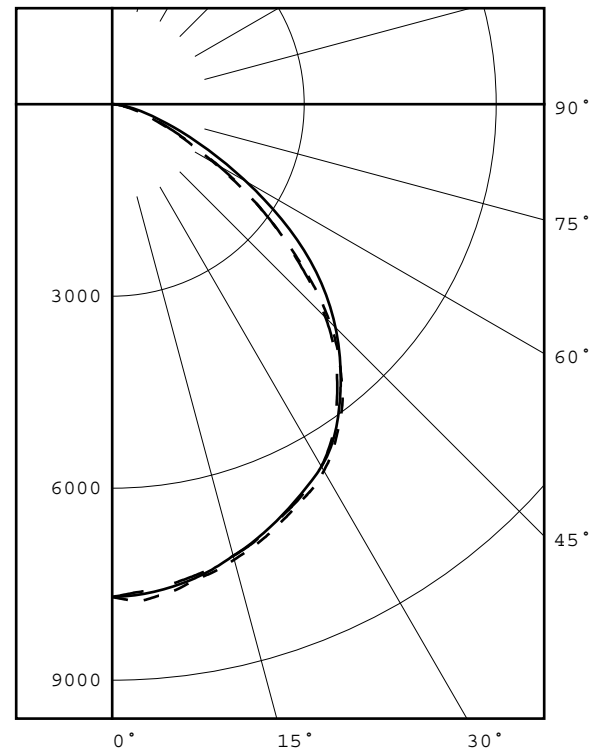
TOTAL INPUT WATTS = 237.3

EFFICACY = 76.5 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

LAMPS: NINTY-SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL  
BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS =237.3 AT 480.0 VAC.

LED DRIVER: RD-T150-A0700/480 + RD-S075-A1400/480

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG  
BEAM ANGLE (50%) : 99.4 X 98.8 DEGREES  
FIELD ANGLE (10%) : 137.6 X 138.9 DEGREES

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### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	7701	7701	7701	7701	7701
5.0	7726	7695	7644	7623	7611
10.0	7541	7541	7515	7482	7475
15.0	7367	7356	7306	7309	7309
20.0	7149	7112	7077	7076	7086
25.0	6889	6871	6813	6815	6841
30.0	6614	6558	6540	6524	6535
35.0	6166	6135	6118	6078	6072
40.0	5572	5544	5555	5472	5460
45.0	4801	4830	4931	4779	4716
50.0	3817	3921	4222	3903	3766
55.0	2825	2976	3350	2978	2822
60.0	1864	2075	2416	2096	1913
65.0	1160	1308	1592	1338	1194
70.0	676	781	970	812	728
75.0	386	445	540	468	424
80.0	183	222	270	233	202
85.0	53	62	85	64	57
90.0	2	2	2	2	2
95.0	1	1	1	1	1
100.0	1	1	1	1	1
105.0	1	1	1	2	1
110.0	1	1	2	2	2
115.0	1	2	2	2	2
120.0	2	2	2	2	2
125.0	2	2	2	3	3
130.0	3	3	3	3	3
135.0	4	4	4	4	4
140.0	4	4	4	5	5
145.0	5	5	5	5	6
150.0	6	6	6	6	6
155.0	6	6	6	6	6
160.0	6	6	6	7	7
165.0	6	6	6	6	6
170.0	6	6	6	6	6
175.0	7	7	6	7	7
180.0	7	7	7	7	7

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## ZONAL LUMEN SUMMARY

0- 5	184.
5- 10	543.
10- 15	880.
15- 20	1189.
20- 25	1461.
25- 30	1695.
30- 35	1867.
35- 40	1942.
40- 45	1918.
45- 50	1778.
50- 55	1518.
55- 60	1188.
60- 65	836.
65- 70	543.
70- 75	329.
75- 80	183.
80- 85	78.
85- 90	15.
90- 95	1.
95-100	1.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
130-135	1.
135-140	2.
140-145	2.
145-150	2.
150-155	1.
155-160	1.
160-165	1.
165-170	1.
170-175	0.
175-180	0.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	184
5- 10	543
10- 15	880
15- 20	1189
20- 25	1461
25- 30	1695
30- 35	1867
35- 40	1942
40- 45	1918
45- 50	1778
50- 55	1518
55- 60	1188
60- 65	836
65- 70	543
70- 75	329
75- 80	183
80- 85	78
85- 90	15
90- 95	1
95-100	1
100-105	1
105-110	1
110-115	1
115-120	1
120-125	1
125-130	1
130-135	1
135-140	2
140-145	2
145-150	2
150-155	1
155-160	1
160-165	1
165-170	1
170-175	0
175-180	0

### 10-DEGREE ZONAL LUMEN SUMMARY

0- 10	726
0- 20	2795
0- 30	5951
0- 40	9761
0- 50	13456
0- 60	16162
0- 70	17541
0- 80	18054
0- 90	18147
0-100	18148
0-110	18149
0-120	18151
0-130	18153
0-140	18156
0-150	18160
0-160	18162
0-170	18164
0-180	18165

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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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

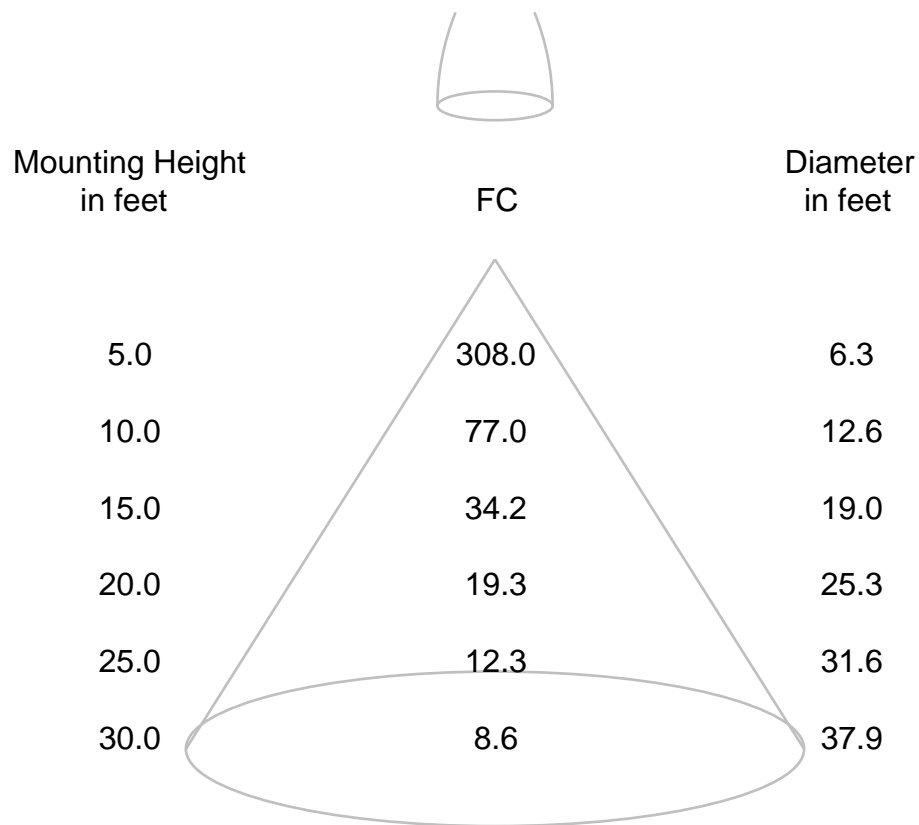
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.