

REPORT NUMBER: SCALED FROM RAB00730

PAGE: 1 OF 8

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230YW/D10

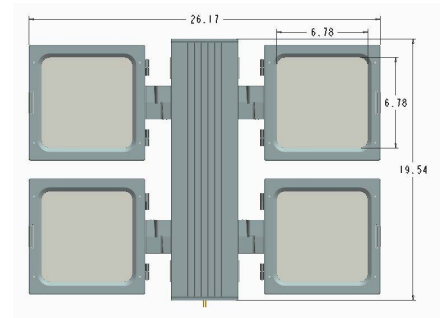
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	7735	7735	7735	7735	7735	
5	7761	7729	7678	7657	7645	730
15	7401	7390	7339	7342	7342	2078
25	6920	6902	6844	6846	6872	3171
35	6194	6163	6145	6105	6099	3827
45	4823	4852	4953	4801	4737	3712
55	2838	2990	3365	2992	2835	2718
65	1165	1314	1599	1344	1199	1385
75	388	447	542	470	426	515
85	53	62	85	64	57	94
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	5978	32.8
0- 40	9805	53.7
0- 60	16236	89.0
0- 90	18229	99.9
90-120	5	0.0
90-130	7	0.0
90-150	13	0.1
90-180	18	0.1
0-180	18247	100.0

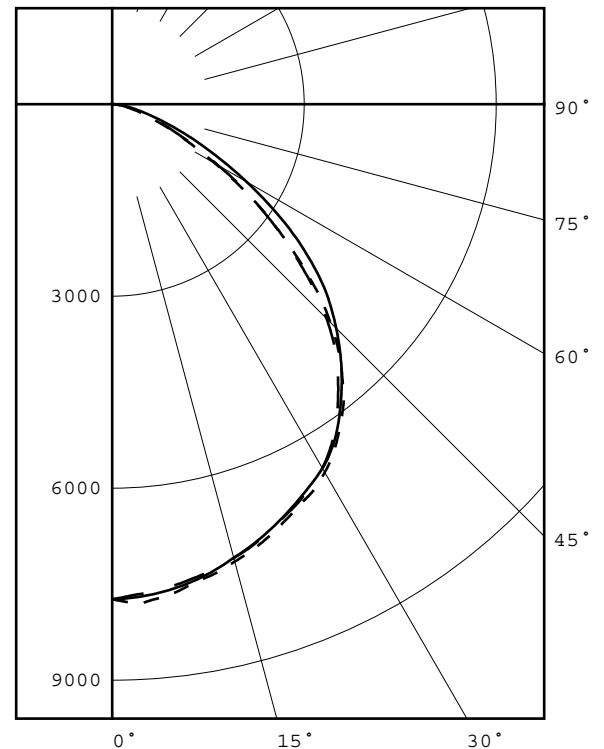
TOTAL INPUT WATTS = 243.4

EFFICACY = 75.0 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

REPORT NUMBER: SCALED FROM RAB00730  
ISSUE DATE: 01/05/16  
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PAGE: 2 OF 8

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 =243.4 AT 120.0 VAC.

LED DRIVER: RD-144-Q0700-C + RDD-075-A1400

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

REPORT NUMBER: SCALED FROM RAB00730  
ISSUE DATE: 01/05/16  
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PAGE: 3 OF 8

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

REPORT NUMBER: SCALED FROM RAB00730  
 ISSUE DATE: 01/05/16  
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PAGE: 4 OF 8

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	7735	7735	7735	7735	7735
5.0	7761	7729	7678	7657	7645
10.0	7575	7575	7549	7516	7509
15.0	7401	7390	7339	7342	7342
20.0	7181	7144	7109	7108	7118
25.0	6920	6902	6844	6846	6872
30.0	6644	6588	6570	6553	6565
35.0	6194	6163	6145	6105	6099
40.0	5597	5569	5580	5497	5485
45.0	4823	4852	4953	4801	4737
50.0	3835	3939	4241	3921	3784
55.0	2838	2990	3365	2992	2835
60.0	1873	2084	2427	2105	1922
65.0	1165	1314	1599	1344	1199
70.0	679	785	974	816	731
75.0	388	447	542	470	426
80.0	183	223	272	234	203
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

REPORT NUMBER: SCALED FROM RAB00730  
ISSUE DATE: 01/05/16  
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

## ZONAL LUMEN SUMMARY

0- 5	184.
5- 10	545.
10- 15	884.
15- 20	1194.
20- 25	1468.
25- 30	1703.
30- 35	1876.
35- 40	1951.
40- 45	1926.
45- 50	1786.
50- 55	1525.
55- 60	1193.
60- 65	840.
65- 70	545.
70- 75	331.
75- 80	184.
80- 85	78.
85- 90	16.
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.

REPORT NUMBER: SCALED FROM RAB00730  
 ISSUE DATE: 01/05/16  
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	184
5- 10	545
10- 15	884
15- 20	1194
20- 25	1468
25- 30	1703
30- 35	1876
35- 40	1951
40- 45	1926
45- 50	1786
50- 55	1525
55- 60	1193
60- 65	840
65- 70	545
70- 75	331
75- 80	184
80- 85	78
85- 90	16
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	730
0- 20	2808
0- 30	5978
0- 40	9805
0- 50	13517
0- 60	16236
0- 70	17621
0- 80	18135
0- 90	18229
0-100	18230
0-110	18232
0-120	18234
0-130	18236
0-140	18239
0-150	18242
0-160	18245
0-170	18246
0-180	18247

REPORT NUMBER: SCALED FROM RAB00730  
ISSUE DATE: 01/05/16

PAGE: 7 OF 8

PREPARED FOR: RAB LIGHTING INC.

## 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

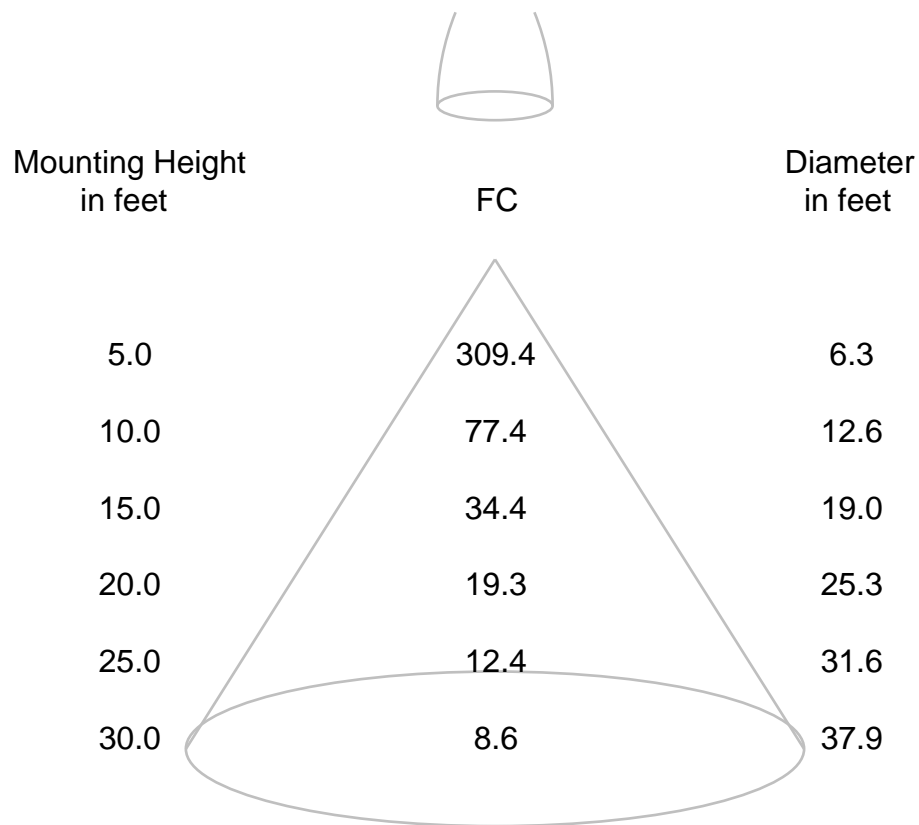
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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ISSUE DATE: 01/05/16  
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PAGE: 8 OF 8

## 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.