

REPORT NUMBER: SCALED FROM RAB00726

PAGE: 1 OF 8

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230NW/480

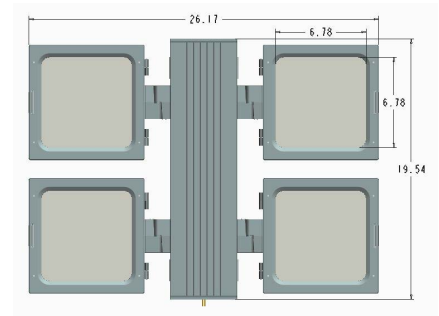
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	8687	8687	8687	8687	8687	
5	8725	8686	8641	8614	8588	820
15	8328	8332	8260	8253	8230	2338
25	7815	7773	7720	7721	7736	3573
35	6867	6849	6912	6958	6972	4310
45	5380	5387	5597	5497	5416	4192
55	3304	3427	3819	3404	3234	3105
65	1441	1598	1832	1510	1315	1608
75	506	569	626	512	441	603
85	73	84	100	73	61	112
90	3	4	3	3	3	
95	1	1	1	1	1	1
105	2	2	2	2	2	2
115	2	2	2	2	2	2
125	3	3	3	3	3	3
135	4	4	4	5	4	3
145	6	6	6	6	6	4
155	6	6	6	7	7	3
165	7	7	7	7	7	2
175	8	8	7	8	8	1
180	8	8	8	8	8	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	6732	32.5
0- 40	11042	53.4
0- 60	18339	88.7
0- 90	20662	99.9
90-120	5	0.0
90-130	8	0.0
90-150	15	0.1
90-180	20	0.1
0-180	20683	100.0

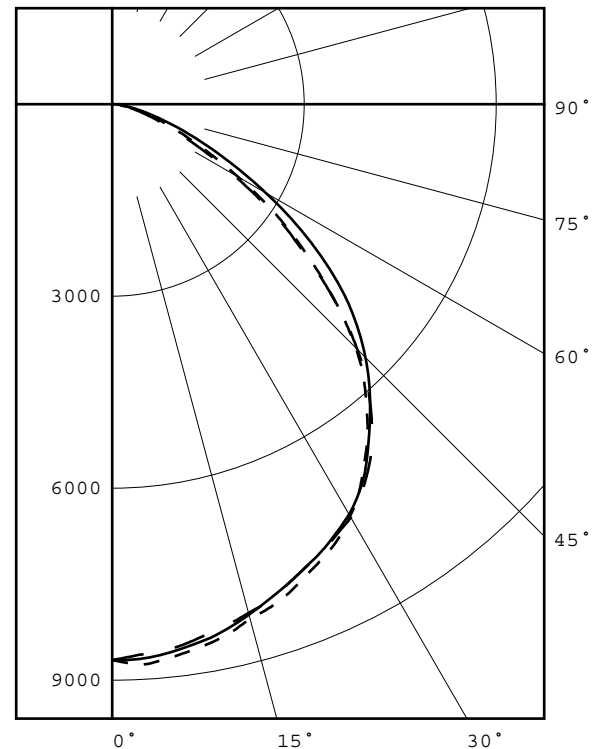
TOTAL INPUT WATTS = 235.3

EFFICACY = 87.9 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

REPORT NUMBER: SCALED FROM RAB00726
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

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 =235.3 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

REPORT NUMBER: SCALED FROM RAB00726
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 8

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 99.6 X 99.4 DEGREES
FIELD ANGLE (10%) : 140.2 X 137.9 DEGREES

REPORT NUMBER: SCALED FROM RAB00726
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 8

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	8687	8687	8687	8687	8687
5.0	8725	8686	8641	8614	8588
10.0	8569	8533	8493	8448	8421
15.0	8328	8332	8260	8253	8230
20.0	8114	8062	7988	7998	7992
25.0	7815	7773	7720	7721	7736
30.0	7436	7412	7400	7427	7456
35.0	6867	6849	6912	6958	6972
40.0	6183	6183	6269	6313	6296
45.0	5380	5387	5597	5497	5416
50.0	4336	4461	4804	4465	4308
55.0	3304	3427	3819	3404	3234
60.0	2276	2456	2774	2391	2145
65.0	1441	1598	1832	1510	1315
70.0	885	983	1129	900	777
75.0	506	569	626	512	441
80.0	250	287	312	256	214
85.0	73	84	100	73	61
90.0	3	4	3	3	3
95.0	1	1	1	1	1
100.0	1	1	1	1	1
105.0	2	2	2	2	2
110.0	2	2	2	2	2
115.0	2	2	2	2	2
120.0	3	3	3	3	3
125.0	3	3	3	3	3
130.0	3	3	3	4	3
135.0	4	4	4	5	4
140.0	5	5	5	5	5
145.0	6	6	6	6	6
150.0	6	6	6	6	6
155.0	6	6	6	7	7
160.0	7	6	6	7	7
165.0	7	7	7	7	7
170.0	7	7	7	7	8
175.0	8	8	7	8	8
180.0	8	8	8	8	8

REPORT NUMBER: SCALED FROM RAB00726
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	207.
5- 10	613.
10- 15	995.
15- 20	1343.
20- 25	1653.
25- 30	1920.
30- 35	2113.
35- 40	2197.
40- 45	2172.
45- 50	2019.
50- 55	1736.
55- 60	1370.
60- 65	973.
65- 70	635.
70- 75	388.
75- 80	216.
80- 85	93.
85- 90	19.
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	2.
135-140	2.
140-145	2.
145-150	2.
150-155	2.
155-160	1.
160-165	1.
165-170	1.
170-175	1.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00726
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	207
5- 10	613
10- 15	995
15- 20	1343
20- 25	1653
25- 30	1920
30- 35	2113
35- 40	2197
40- 45	2172
45- 50	2019
50- 55	1736
55- 60	1370
60- 65	973
65- 70	635
70- 75	388
75- 80	216
80- 85	93
85- 90	19
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	2
135-140	2
140-145	2
145-150	2
150-155	2
155-160	1
160-165	1
165-170	1
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	820
0- 20	3159
0- 30	6732
0- 40	11042
0- 50	15234
0- 60	18339
0- 70	19947
0- 80	20550
0- 90	20662
0-100	20664
0-110	20665
0-120	20668
0-130	20670
0-140	20674
0-150	20677
0-160	20680
0-170	20682
0-180	20683

REPORT NUMBER: SCALED FROM RAB00726
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	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	93	87	82	89	84	81	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	63	56	52	61	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	28

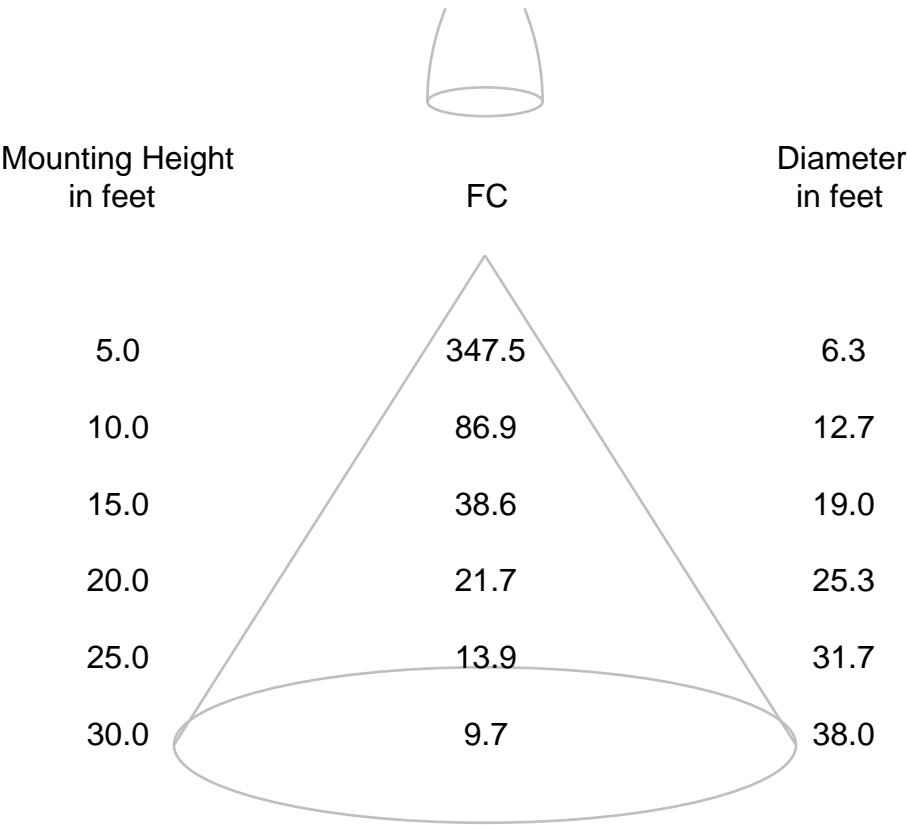
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00726
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

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.