

REPORT NUMBER: SCALED FROM RAB00722

PAGE: 1 OF 8

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230W/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.

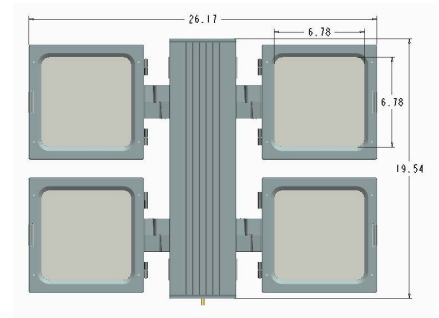
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	9101	9101	9101	9101	9101
5	9140	9093	9034	9003	8975
15	8748	8688	8636	8613	8625
25	8174	8104	8052	8075	8085
35	7114	7076	7225	7336	7349
45	5549	5585	5863	5804	5751
55	3434	3579	4048	3615	3393
65	1547	1697	1948	1574	1349
75	560	618	668	522	440
85	81	92	106	72	60
90	3	3	2	2	2
95	0	1	0	1	0
105	1	1	1	1	1
115	2	2	1	1	1
125	2	2	2	2	2
135	3	3	3	3	3
145	4	4	4	4	4
155	4	4	4	5	5
165	4	4	4	4	5
175	5	5	5	5	5
180	5	5	5	5	5

FLUX

858
2445
3732
4500
4388
3269
1695
637
118
1
1
2
2
2
2
2
2
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7035	32.5
0- 40	11534	53.3
0- 60	19192	88.6
0- 90	21642	99.9
90-120	3	0.0
90-130	5	0.0
90-150	10	0.0
90-180	14	0.1
0-180	21655	100.0

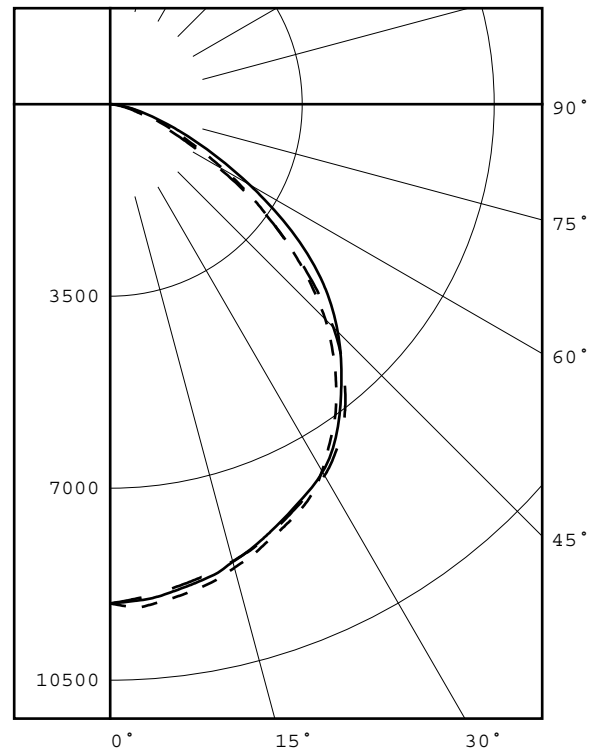
TOTAL INPUT WATTS = 235.6

EFFICACY = 91.9 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 RAB00722
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 =235.6 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 RAB00722
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 8

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 99.4 X 100.1 DEGREES
FIELD ANGLE (10%) : 141.1 X 137.2 DEGREES

REPORT NUMBER: SCALED FROM RAB00722
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	9101	9101	9101	9101	9101
5.0	9140	9093	9034	9003	8975
10.0	8986	8941	8869	8827	8810
15.0	8748	8688	8636	8613	8625
20.0	8460	8421	8358	8347	8369
25.0	8174	8104	8052	8075	8085
30.0	7724	7697	7740	7770	7815
35.0	7114	7076	7225	7336	7349
40.0	6388	6382	6557	6638	6656
45.0	5549	5585	5863	5804	5751
50.0	4523	4617	5059	4740	4600
55.0	3434	3579	4048	3615	3393
60.0	2413	2579	2926	2528	2209
65.0	1547	1697	1948	1574	1349
70.0	965	1056	1191	926	778
75.0	560	618	668	522	440
80.0	280	317	333	257	210
85.0	81	92	106	72	60
90.0	3	3	2	2	2
95.0	0	1	0	1	0
100.0	1	1	1	1	0
105.0	1	1	1	1	1
110.0	1	1	2	1	1
115.0	2	2	1	1	1
120.0	2	2	2	2	2
125.0	2	2	2	2	2
130.0	2	2	2	2	2
135.0	3	3	3	3	3
140.0	3	3	3	4	4
145.0	4	4	4	4	4
150.0	4	4	4	4	5
155.0	4	4	4	5	5
160.0	5	4	4	5	5
165.0	4	4	4	4	5
170.0	5	5	4	5	5
175.0	5	5	5	5	5
180.0	5	5	5	5	5

REPORT NUMBER: SCALED FROM RAB00722
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	217.
5- 10	641.
10- 15	1041.
15- 20	1405.
20- 25	1728.
25- 30	2005.
30- 35	2205.
35- 40	2294.
40- 45	2270.
45- 50	2118.
50- 55	1826.
55- 60	1443.
60- 65	1026.
65- 70	669.
70- 75	409.
75- 80	228.
80- 85	98.
85- 90	20.
90- 95	0.
95-100	0.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	1.
165-170	1.
170-175	0.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00722
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	217
5- 10	641
10- 15	1041
15- 20	1405
20- 25	1728
25- 30	2005
30- 35	2205
35- 40	2294
40- 45	2270
45- 50	2118
50- 55	1826
55- 60	1443
60- 65	1026
65- 70	669
70- 75	409
75- 80	228
80- 85	98
85- 90	20
90- 95	0
95-100	0
100-105	1
105-110	1
110-115	1
115-120	1
120-125	1
125-130	1
130-135	1
135-140	1
140-145	1
145-150	1
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	858
0- 20	3303
0- 30	7035
0- 40	11534
0- 50	15922
0- 60	19192
0- 70	20886
0- 80	21523
0- 90	21642
0-100	21642
0-110	21643
0-120	21645
0-130	21647
0-140	21649
0-150	21651
0-160	21653
0-170	21655
0-180	21655

REPORT NUMBER: SCALED FROM RAB00722
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	80	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	63	59	67	62	58	56
5	79	68	59	53	77	66	59	53	64	58	52	62	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	42	37	49	42	37	48	41	37	47	41	36	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	30	42	35	30	41	35	30	40	34	30	28

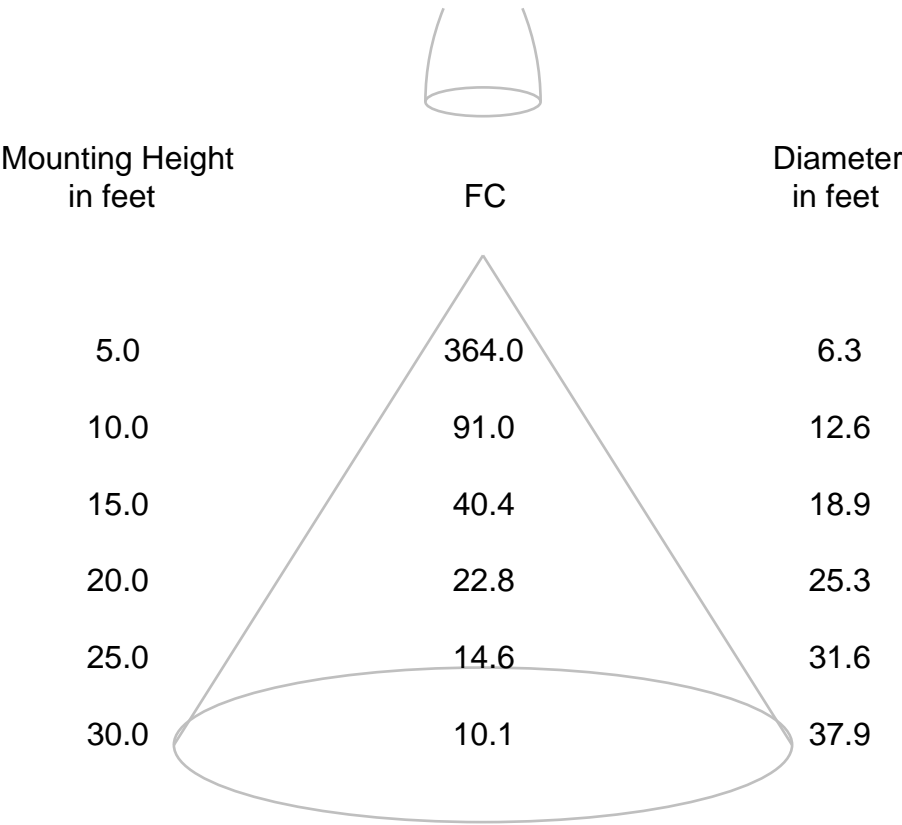
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00722
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.