

REPORT NUMBER: SCALED FROM RAB00750

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR80NW/D10

LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO OPPOSING LIGHT HEADS, 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.

LAMP: THIRTY-TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

PAGE: 1 OF 8

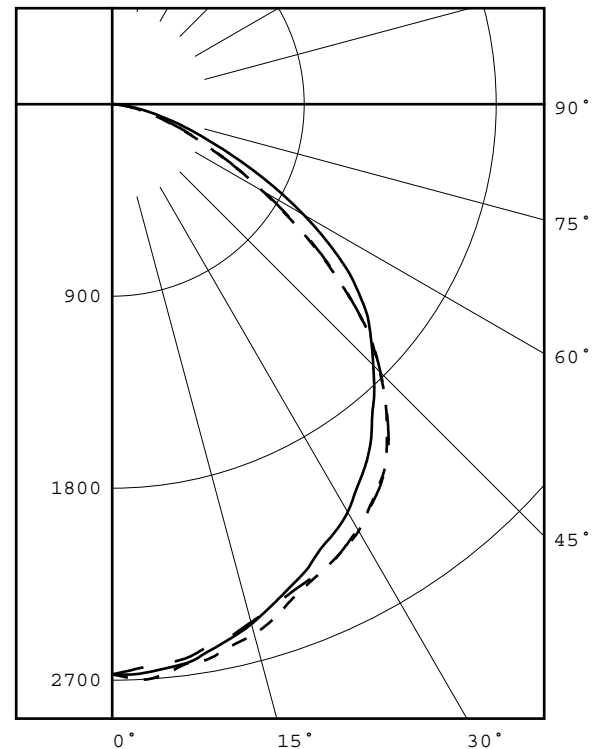
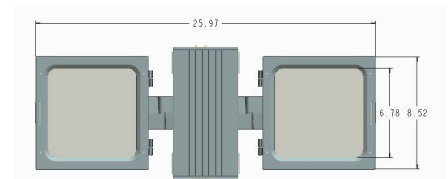
DATE SAMPLE TESTED: 03/17/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2673	2673	2673	2673	2673
5	2688	2677	2659	2637	2637
15	2572	2550	2523	2511	2514
25	2390	2354	2305	2335	2391
35	2181	2119	2070	2120	2189
45	1776	1747	1730	1743	1780
55	1148	1195	1340	1209	1161
65	539	596	722	608	550
75	203	225	272	234	208
85	32	37	45	40	36
90	1	2	3	4	4
95	0	0	1	1	0
105	1	1	1	1	1
115	1	1	1	1	1
125	1	1	1	1	1
135	1	1	1	1	1
145	2	1	2	2	2
155	2	2	2	2	2
165	2	2	2	2	2
175	2	2	2	2	2
180	2	2	2	2	2

FLUX

252
714
1084
1324
1346
1088
623
256
52
1
1
1
1
1
1
1
1
0



LEGEND:

0-deg: - - - - -
45-deg: _____
90-deg: - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	2050	30.4
0- 40	3374	50.0
0- 60	5808	86.1
0- 90	6739	99.9
90-120	2	0.0
90-130	3	0.0
90-150	5	0.1
90-180	7	0.1
0-180	6745	100.0

TOTAL INPUT WATTS = 81.3

EFFICACY = 83.0 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.3 1.3

Checked X.CAO
Approved D.WANG-MUNSON

REPORT NUMBER: SCALED FROM RAB00750
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 8
DATE SAMPLE TESTED: 03/17/15

ADDITIONAL INFORMATION

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
TOTAL INPUT WATTS =81.3 AT 120.0 VAC.
LED DRIVER: RDD-075-A1400
TEST PROCEDURE: IESNA LM-79-08
ACCREDITED LABORATORY CODE 201058-0

REPORT NUMBER: SCALED FROM RAB00750
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 8
DATE SAMPLE TESTED: 03/17/15

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 104.2 X 104.4 DEGREES
FIELD ANGLE (10%) : 144.7 X 145.4 DEGREES

REPORT NUMBER: SCALED FROM RAB00750
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 8
 DATE SAMPLE TESTED: 03/17/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2673	2673	2673	2673	2673
5.0	2688	2677	2659	2637	2637
10.0	2638	2622	2605	2584	2583
15.0	2572	2550	2523	2511	2514
20.0	2469	2449	2417	2429	2439
25.0	2390	2354	2305	2335	2391
30.0	2311	2252	2209	2238	2301
35.0	2181	2119	2070	2120	2189
40.0	2003	1944	1898	1949	2015
45.0	1776	1747	1730	1743	1780
50.0	1496	1502	1567	1503	1497
55.0	1148	1195	1340	1209	1161
60.0	813	881	1038	891	827
65.0	539	596	722	608	550
70.0	343	380	463	391	356
75.0	203	225	272	234	208
80.0	103	115	133	119	105
85.0	32	37	45	40	36
90.0	1	2	3	4	4
95.0	0	0	1	1	0
100.0	0	1	1	1	1
105.0	1	1	1	1	1
110.0	0	0	1	1	0
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	1	1	1	1	1
140.0	1	1	1	2	2
145.0	2	1	2	2	2
150.0	1	2	2	2	2
155.0	2	2	2	2	2
160.0	2	2	2	2	2
165.0	2	2	2	2	2
170.0	2	2	2	2	2
175.0	2	2	2	2	2
180.0	2	2	2	2	2

REPORT NUMBER: SCALED FROM RAB00750
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8
DATE SAMPLE TESTED: 03/17/15

ZONAL LUMEN SUMMARY

0- 5	64.
5- 10	188.
10- 15	305.
15- 20	409.
20- 25	501.
25- 30	582.
30- 35	644.
35- 40	680.
40- 45	685.
45- 50	661.
50- 55	597.
55- 60	491.
60- 65	369.
65- 70	254.
70- 75	163.
75- 80	93.
80- 85	42.
85- 90	10.
90- 95	0.
95-100	0.
100-105	0.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	0.
145-150	1.
150-155	1.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00750
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8
 DATE SAMPLE TESTED: 03/17/15

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	64
5- 10	188
10- 15	305
15- 20	409
20- 25	501
25- 30	582
30- 35	644
35- 40	680
40- 45	685
45- 50	661
50- 55	597
55- 60	491
60- 65	369
65- 70	254
70- 75	163
75- 80	93
80- 85	42
85- 90	10
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	1
150-155	1
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	252
0- 20	966
0- 30	2050
0- 40	3374
0- 50	4720
0- 60	5808
0- 70	6431
0- 80	6687
0- 90	6739
0-100	6739
0-110	6740
0-120	6741
0-130	6742
0-140	6743
0-150	6744
0-160	6745
0-170	6745
0-180	6745

REPORT NUMBER: SCALED FROM RAB00750
ISSUE DATE: 01/05/16

PAGE: 7 OF 8
DATE SAMPLE TESTED: 03/17/15

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	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

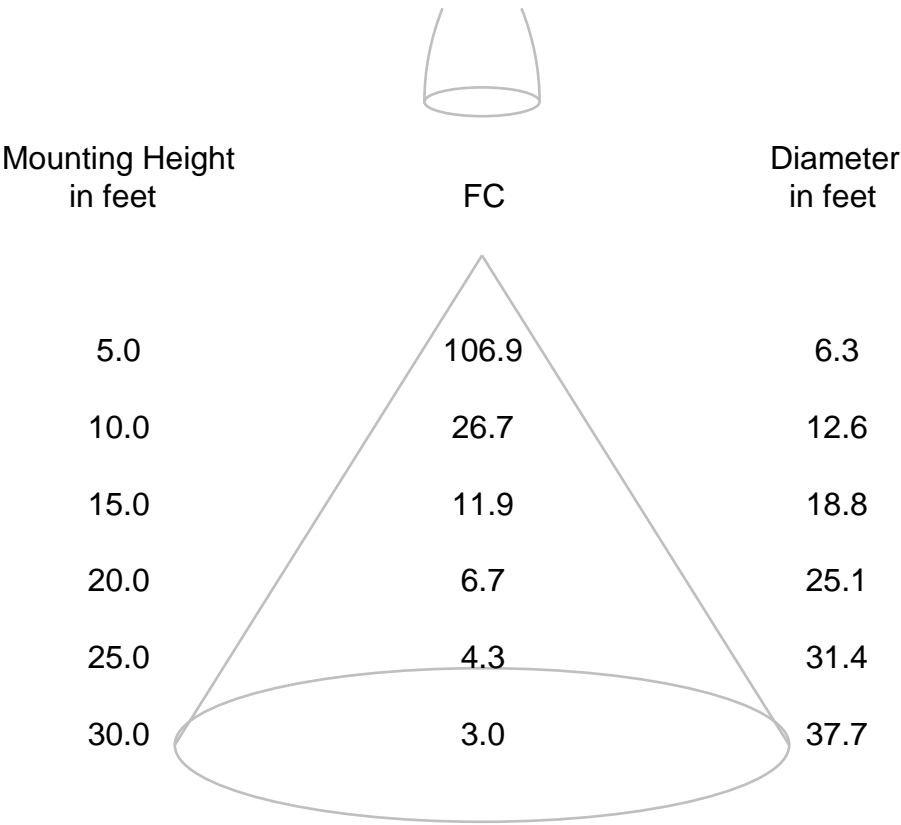
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00750
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 8
DATE SAMPLE TESTED: 03/17/15

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.