

REPORT NUMBER: SCALED FROM RAB00905

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA80W/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.

LAMPS: THIRTY TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), TILTED 15-DEGREES FROM VERTICAL BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

PAGE: 1 OF 8

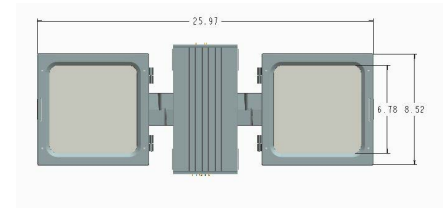
DATE SAMPLE TESTED: 05/22/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	6862	6862	6862	6862	6862
5	6485	6514	6654	6730	6791
15	3405	3621	4453	5837	6461
25	1706	1899	2573	4218	5833
35	421	618	1397	2810	4914
45	78	122	543	1788	4000
55	42	55	157	1058	2984
65	27	32	57	536	1920
75	14	18	29	225	1132
85	3	7	16	95	583
90	0	4	10	58	366
95	0	2	5	28	188
105	0	2	0	0	1
115	0	2	0	0	0
125	0	2	1	0	0
135	0	2	1	1	1
145	1	3	3	1	1
155	1	4	3	1	0
165	3	5	3	0	0
175	4	6	4	1	0
180	4	4	4	4	4

FLUX

604
1316
1427
1183
877
626
401
227
114
37
2
1
1
1
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	3346	49.1
0- 40	4529	66.4
0- 60	6032	88.5
0- 90	6774	99.4
90-120	40	0.6
90-130	40	0.6
90-150	42	0.6
90-180	44	0.6
0-180	6818	100.0

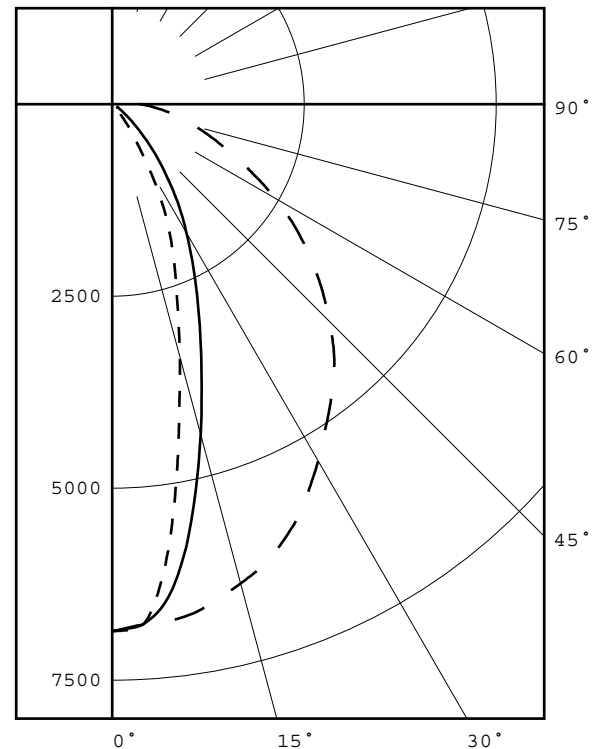
TOTAL INPUT WATTS = 80.3

EFFICACY = 84.9 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 0.5 1.2



LEGEND:

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

Checked X.CAO
Approved D.WANG-MUNSON

REPORT NUMBER: SCALED FROM RAB00905
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 8
DATE SAMPLE TESTED: 05/22/15

ADDITIONAL INFORMATION

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
TOTAL INPUT WATTS =80.3 AT 120.0 VAC.
LED DRIVER: RDD-075-A1400
TEST PROCEDURE: IESNA LM-79-08
ACCREDITED LABORATORY CODE 201058-0

REPORT NUMBER: SCALED FROM RAB00905
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 8
DATE SAMPLE TESTED: 05/22/15

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 29.8 X 101.3 DEGREES
FIELD ANGLE (10%): 64.0 X 165.9 DEGREES

REPORT NUMBER: SCALED FROM RAB00905
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 8
 DATE SAMPLE TESTED: 05/22/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	6862	6862	6862	6862	6862
5.0	6485	6514	6654	6730	6791
10.0	4855	5044	5718	6428	6681
15.0	3405	3621	4453	5837	6461
20.0	2415	2611	3384	5042	6204
25.0	1706	1899	2573	4218	5833
30.0	941	1228	1936	3466	5363
35.0	421	618	1397	2810	4914
40.0	156	283	928	2282	4496
45.0	78	122	543	1788	4000
50.0	58	74	295	1385	3496
55.0	42	55	157	1058	2984
60.0	33	41	87	783	2448
65.0	27	32	57	536	1920
70.0	20	25	40	349	1479
75.0	14	18	29	225	1132
80.0	8	12	21	147	837
85.0	3	7	16	95	583
90.0	0	4	10	58	366
95.0	0	2	5	28	188
100.0	0	2	0	7	56
105.0	0	2	0	0	1
110.0	0	2	0	0	0
115.0	0	2	0	0	0
120.0	0	2	0	0	0
125.0	0	2	1	0	0
130.0	0	2	1	0	0
135.0	0	2	1	1	1
140.0	0	2	2	1	1
145.0	1	3	3	1	1
150.0	1	3	3	1	0
155.0	1	4	3	1	0
160.0	2	4	3	0	0
165.0	3	5	3	0	0
170.0	3	5	3	0	0
175.0	4	6	4	1	0
180.0	4	4	4	4	4

REPORT NUMBER: SCALED FROM RAB00905
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8
DATE SAMPLE TESTED: 05/22/15

ZONAL LUMEN SUMMARY

0- 5	161.
5- 10	442.
10- 15	616.
15- 20	700.
20- 25	725.
25- 30	702.
30- 35	631.
35- 40	552.
40- 45	474.
45- 50	403.
50- 55	342.
55- 60	284.
60- 65	227.
65- 70	174.
70- 75	130.
75- 80	97.
80- 85	69.
85- 90	45.
90- 95	26.
95-100	11.
100-105	2.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	1.
145-150	1.
150-155	0.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00905
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8
 DATE SAMPLE TESTED: 05/22/15

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	161
5- 10	442
10- 15	616
15- 20	700
20- 25	725
25- 30	702
30- 35	631
35- 40	552
40- 45	474
45- 50	403
50- 55	342
55- 60	284
60- 65	227
65- 70	174
70- 75	130
75- 80	97
80- 85	69
85- 90	45
90- 95	26
95-100	11
100-105	2
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	1
145-150	1
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	604
0- 20	1919
0- 30	3346
0- 40	4529
0- 50	5406
0- 60	6032
0- 70	6433
0- 80	6660
0- 90	6774
0-100	6811
0-110	6813
0-120	6814
0-130	6814
0-140	6815
0-150	6816
0-160	6817
0-170	6818
0-180	6818

REPORT NUMBER: SCALED FROM RAB00905
ISSUE DATE: 01/05/16

PAGE: 7 OF 8
DATE SAMPLE TESTED: 05/22/15

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	101	101	101	99
1	111	107	103	100	108	105	102	99	100	98	95	96	94	92	93	91	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	84	81	85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	74	66	61	82	72	66	60	70	64	60	69	63	59	67	62	58	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	56	51	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	59	52	47	69	58	51	46	57	51	46	56	50	46	55	49	46	44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38

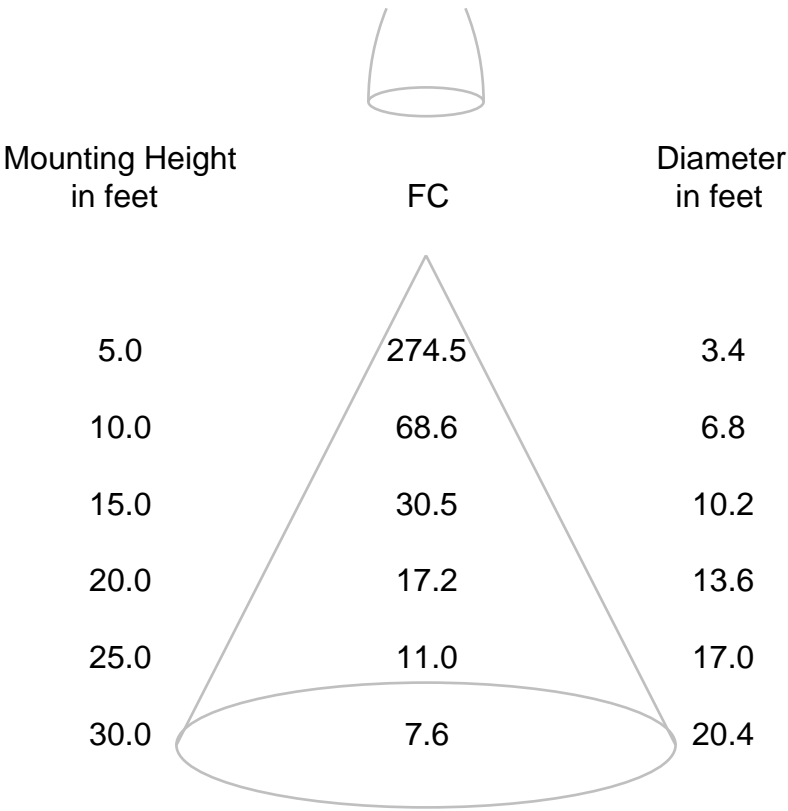
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00905
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 8
DATE SAMPLE TESTED: 05/22/15

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.