

REPORT NUMBER: SCALED FROM RAB00903

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA160YW/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 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

PAGE: 1 OF 8

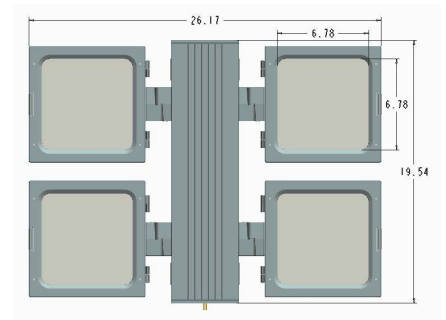
DATE SAMPLE TESTED: 05/22/15

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	11787	11787	11787	11787	11787
5	11239	11345	11477	11616	11677
15	5975	6429	7757	10274	11185
25	2885	3289	4547	7447	10104
35	853	1166	2350	4871	8315
45	250	369	961	3097	6573
55	124	156	385	1813	4820
65	82	98	178	882	3054
75	48	58	87	353	1555
85	12	22	51	154	617
90	0	11	35	99	330
95	0	3	15	56	151
105	0	2	0	0	0
115	0	2	0	0	0
125	0	2	0	0	0
135	0	3	2	0	0
145	1	4	3	1	0
155	2	5	3	0	0
165	4	7	4	0	0
175	6	8	5	0	0
180	4	4	4	4	4

FLUX

1048
2309
2496
2048
1525
1085
680
351
152
43
2
0
1
1
1
1
0



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	5853	49.8
0- 40	7901	67.3
0- 60	10511	89.5
0- 90	11694	99.6
90-120	45	0.4
90-130	46	0.4
90-150	48	0.4
90-180	51	0.4
0-180	11745	100.0

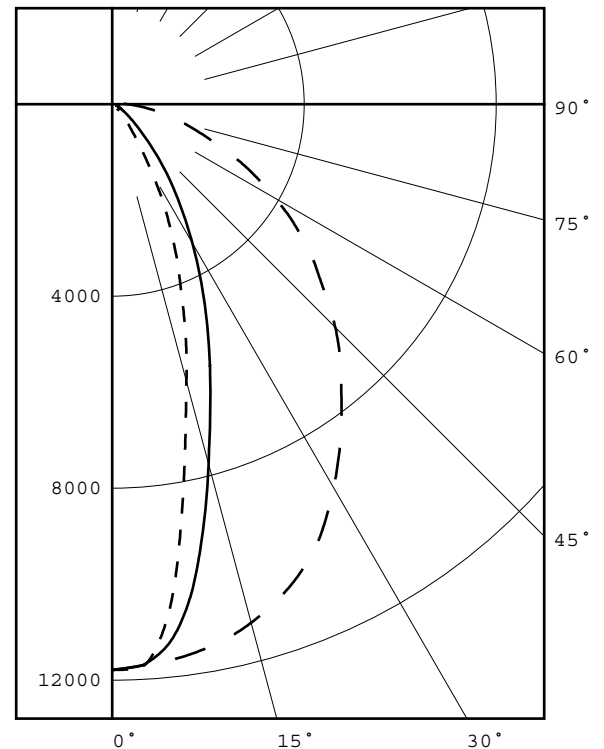
TOTAL INPUT WATTS = 163

EFFICACY = 72.1 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 RAB00903
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

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

ADDITIONAL INFORMATION

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

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS =163.0 AT 120.0 VAC.

LED DRIVER: RD-144-Q0700-C

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

REPORT NUMBER: SCALED FROM RAB00903
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%) : 30.5 X 97.2 DEGREES
FIELD ANGLE (10%): 65.2 X 157.1 DEGREES

REPORT NUMBER: SCALED FROM RAB00903
 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	11787	11787	11787	11787	11787
5.0	11239	11345	11477	11616	11677
10.0	8435	8923	9992	11164	11495
15.0	5975	6429	7757	10274	11185
20.0	4228	4674	5967	8928	10732
25.0	2885	3289	4547	7447	10104
30.0	1688	2131	3343	6048	9228
35.0	853	1166	2350	4871	8315
40.0	455	640	1572	3904	7418
45.0	250	369	961	3097	6573
50.0	164	222	593	2407	5645
55.0	124	156	385	1813	4820
60.0	99	121	254	1314	3918
65.0	82	98	178	882	3054
70.0	65	79	128	560	2203
75.0	48	58	87	353	1555
80.0	29	38	63	235	1038
85.0	12	22	51	154	617
90.0	0	11	35	99	330
95.0	0	3	15	56	151
100.0	0	2	0	14	39
105.0	0	2	0	0	0
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	0	0	0
130.0	0	2	1	0	0
135.0	0	3	2	0	0
140.0	1	3	2	1	0
145.0	1	4	3	1	0
150.0	1	4	4	1	0
155.0	2	5	3	0	0
160.0	3	6	4	0	0
165.0	4	7	4	0	0
170.0	5	7	4	0	0
175.0	6	8	5	0	0
180.0	4	4	4	4	4

REPORT NUMBER: SCALED FROM RAB00903
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	278.
5- 10	769.
10- 15	1077.
15- 20	1232.
20- 25	1274.
25- 30	1222.
30- 35	1095.
35- 40	954.
40- 45	824.
45- 50	701.
50- 55	593.
55- 60	492.
60- 65	389.
65- 70	291.
70- 75	207.
75- 80	144.
80- 85	95.
85- 90	57.
90- 95	31.
95-100	12.
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	1.
155-160	1.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00903
 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	278
5- 10	769
10- 15	1077
15- 20	1232
20- 25	1274
25- 30	1222
30- 35	1095
35- 40	954
40- 45	824
45- 50	701
50- 55	593
55- 60	492
60- 65	389
65- 70	291
70- 75	207
75- 80	144
80- 85	95
85- 90	57
90- 95	31
95-100	12
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	1
155-160	1
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1048
0- 20	3357
0- 30	5853
0- 40	7901
0- 50	9426
0- 60	10511
0- 70	11191
0- 80	11542
0- 90	11694
0-100	11738
0-110	11739
0-120	11740
0-130	11741
0-140	11741
0-150	11743
0-160	11744
0-170	11745
0-180	11745

REPORT NUMBER: SCALED FROM RAB00903
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	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	97	92	87	101	95	90	86	92	88	84	88	85	82	86	83	80	78
3	96	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	68	65	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

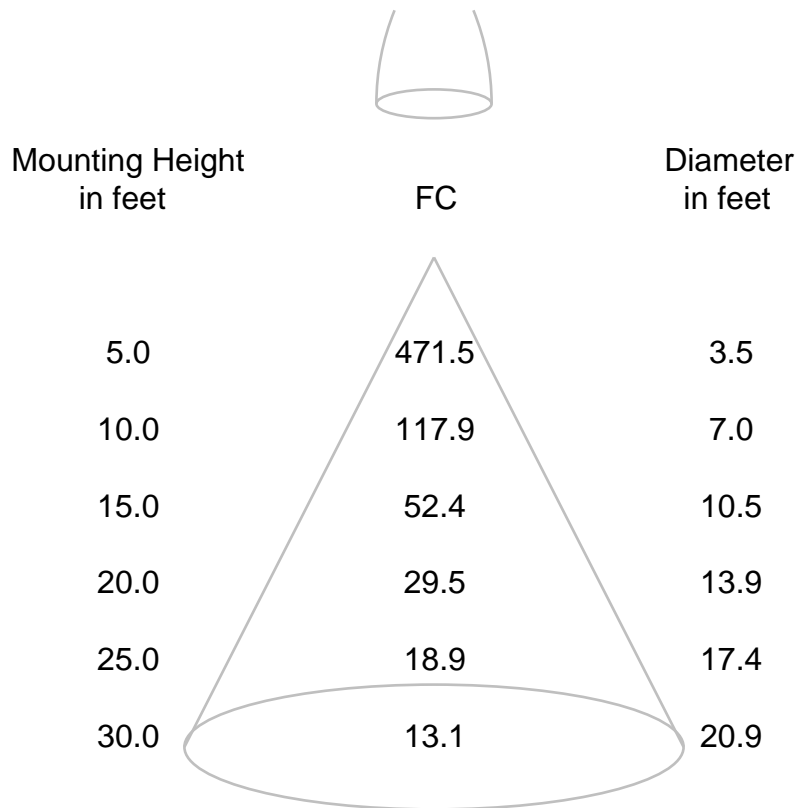
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00903
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.