

REPORT NUMBER: SCALED FROM RAB00727

PAGE: 1 OF 8

ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA230NW/480

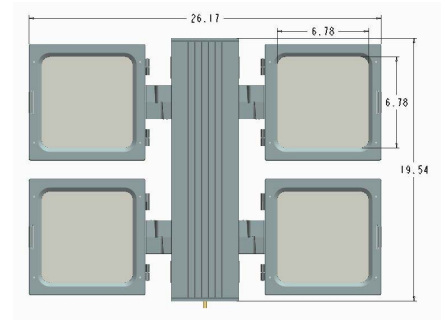
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	18642	18642	18642	18642	18642	
5	17693	17820	18078	18357	18458	1657
15	10001	10745	12787	16111	17643	3727
25	5002	5620	7618	12068	15619	4086
35	1453	2101	4100	8261	13226	3432
45	232	440	1691	5303	10748	2519
55	118	144	524	3084	7532	1710
65	74	89	168	1486	4730	1037
75	38	48	77	610	2758	573
85	8	17	38	263	1307	273
90	0	9	23	155	773	
95	0	3	8	69	357	76
105	0	3	0	0	0	3
115	0	3	0	0	0	1
125	0	3	0	0	0	1
135	1	4	2	0	0	1
145	3	7	6	2	1	3
155	7	11	8	2	0	3
165	11	15	10	2	0	2
175	13	17	12	3	0	1
180	10	10	10	10	10	

FLUX



ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	9470	49.6
0- 40	12901	67.5
0- 60	17130	89.7
0- 90	19014	99.5
90-120	79	0.4
90-130	80	0.4
90-150	84	0.4
90-180	90	0.5
0-180	19103	100.0

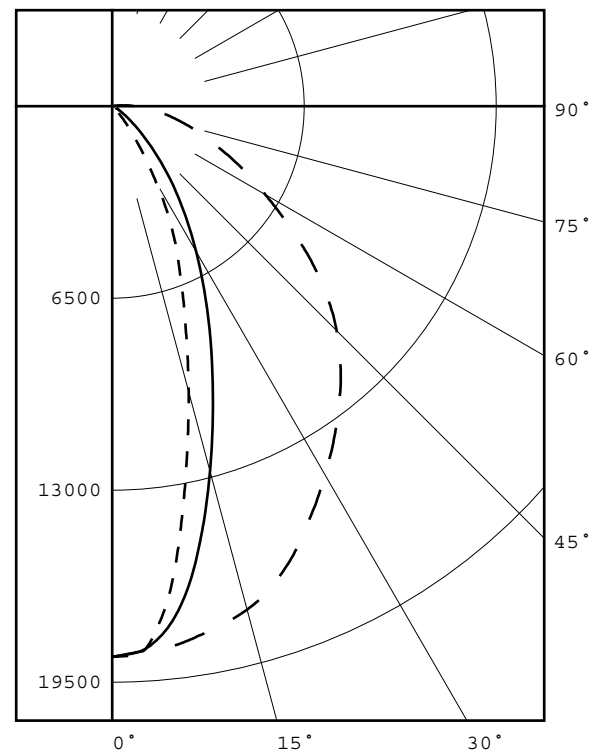
TOTAL INPUT WATTS = 235.1

EFFICACY = 81.3 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 RAB00727
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), TILTED
15-DEGREES FROM VERTICAL BASE-UP POSITION.
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
TOTAL INPUT WATTS =235.1 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 RAB00727
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 8

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 32.1 X 99.5 DEGREES
FIELD ANGLE (10%): 66.9 X 162.0 DEGREES

REPORT NUMBER: SCALED FROM RAB00727
 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	18642	18642	18642	18642	18642
5.0	17693	17820	18078	18357	18458
10.0	13805	14381	15914	17564	18109
15.0	10001	10745	12787	16111	17643
20.0	7062	7763	9938	14182	16811
25.0	5002	5620	7618	12068	15619
30.0	2988	3768	5682	10048	14406
35.0	1453	2101	4100	8261	13226
40.0	597	1040	2761	6706	12042
45.0	232	440	1691	5303	10748
50.0	150	208	960	4107	9234
55.0	118	144	524	3084	7532
60.0	94	113	283	2204	5983
65.0	74	89	168	1486	4730
70.0	56	67	111	955	3615
75.0	38	48	77	610	2758
80.0	21	31	53	405	2001
85.0	8	17	38	263	1307
90.0	0	9	23	155	773
95.0	0	3	8	69	357
100.0	0	3	0	8	76
105.0	0	3	0	0	0
110.0	0	3	0	0	0
115.0	0	3	0	0	0
120.0	0	3	0	0	0
125.0	0	3	0	0	0
130.0	0	3	1	0	0
135.0	1	4	2	0	0
140.0	2	5	4	1	1
145.0	3	7	6	2	1
150.0	5	9	7	2	0
155.0	7	11	8	2	0
160.0	9	13	9	2	0
165.0	11	15	10	2	0
170.0	12	15	10	2	0
175.0	13	17	12	3	0
180.0	10	10	10	10	10

REPORT NUMBER: SCALED FROM RAB00727
ISSUE DATE: 01/05/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	440.
5- 10	1217.
10- 15	1731.
15- 20	1996.
20- 25	2074.
25- 30	2013.
30- 35	1830.
35- 40	1601.
40- 45	1369.
45- 50	1150.
50- 55	950.
55- 60	760.
60- 65	590.
65- 70	447.
70- 75	331.
75- 80	242.
80- 85	168.
85- 90	106.
90- 95	56.
95-100	20.
100-105	2.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
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	1.
175-180	0.

REPORT NUMBER: SCALED FROM RAB00727
 ISSUE DATE: 01/05/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	440
5- 10	1217
10- 15	1731
15- 20	1996
20- 25	2074
25- 30	2013
30- 35	1830
35- 40	1601
40- 45	1369
45- 50	1150
50- 55	950
55- 60	760
60- 65	590
65- 70	447
70- 75	331
75- 80	242
80- 85	168
85- 90	106
90- 95	56
95-100	20
100-105	2
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
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	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1657
0- 20	5383
0- 30	9470
0- 40	12901
0- 50	15420
0- 60	17130
0- 70	18168
0- 80	18740
0- 90	19014
0-100	19090
0-110	19092
0-120	19093
0-130	19094
0-140	19095
0-150	19098
0-160	19100
0-170	19103
0-180	19103

REPORT NUMBER: SCALED FROM RAB00727
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	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	85	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	50	60	54	50	59	54	50	48
8	70	59	52	47	69	58	52	47	57	51	47	56	50	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	51	45	41	50	45	40	50	44	40	49	44	40	39

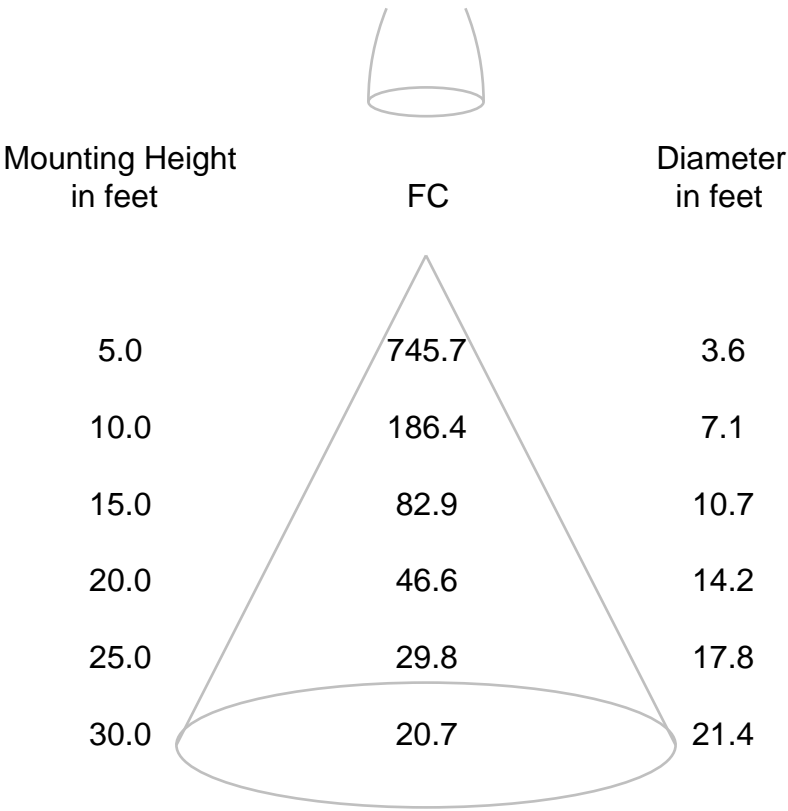
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: SCALED FROM RAB00727
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.