

REPORT NUMBER: SCALED FROM RAB00723

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA230W/480

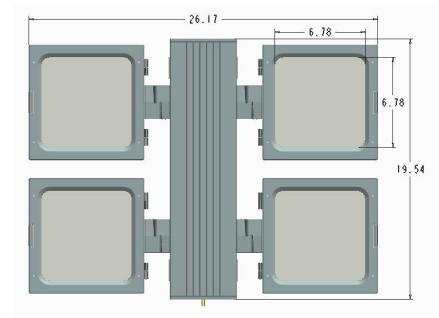
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	19117	19117	19117	19117	19117	
5	18240	18293	18565	18833	18905	1704
15	10336	11103	13207	16629	18063	3842
25	5128	5754	7873	12442	15967	4203
35	1577	2225	4218	8496	13590	3548
45	258	487	1824	5490	11041	2624
55	127	154	598	3236	7915	1801
65	79	95	180	1563	4956	1093
75	40	51	83	638	2905	604
85	10	18	42	285	1381	290
90	0	10	25	170	809	
95	0	3	10	77	381	82
105	0	3	0	0	0	3
115	0	3	0	0	0	1
125	0	3	0	0	0	1
135	0	4	2	0	0	1
145	2	6	5	1	0	2
155	4	8	5	0	0	2
165	6	10	5	0	0	1
175	8	12	7	0	0	1
180	6	6	6	6	6	

FLUX



ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	9749	49.2
0- 40	13297	67.1
0- 60	17722	89.5
0- 90	19709	99.5
90-120	85	0.4
90-130	86	0.4
90-150	89	0.5
90-180	93	0.5
0-180	19802	100.0

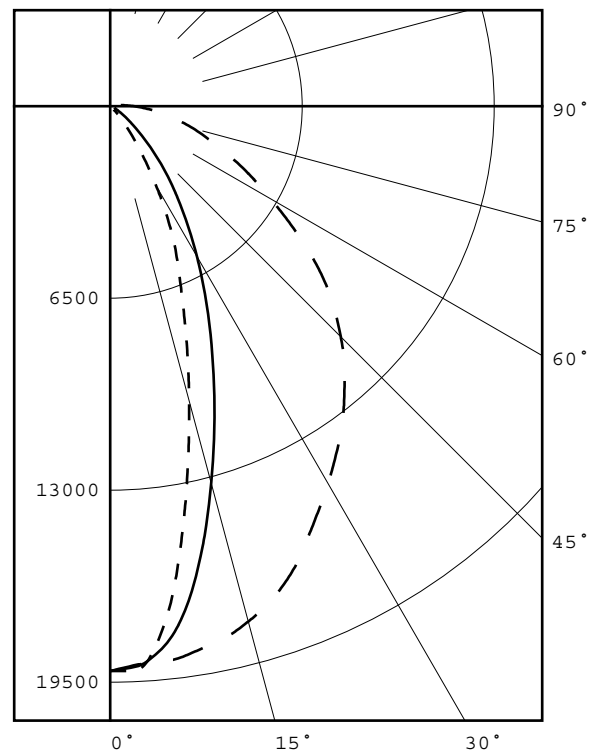
TOTAL INPUT WATTS = 229.7

EFFICACY = 86.2 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

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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 =229.7 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

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 32.3 X 100.2 DEGREES
FIELD ANGLE (10%): 67.5 X 162.6 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	19117	19117	19117	19117	19117
5.0	18240	18293	18565	18833	18905
10.0	14302	14904	16387	18011	18582
15.0	10336	11103	13207	16629	18063
20.0	7233	7992	10306	14651	17214
25.0	5128	5754	7873	12442	15967
30.0	3110	3908	5873	10356	14754
35.0	1577	2225	4218	8496	13590
40.0	685	1134	2923	6918	12339
45.0	258	487	1824	5490	11041
50.0	163	227	1058	4250	9604
55.0	127	154	598	3236	7915
60.0	101	121	327	2322	6276
65.0	79	95	180	1563	4956
70.0	59	72	117	999	3816
75.0	40	51	83	638	2905
80.0	23	33	58	435	2106
85.0	10	18	42	285	1381
90.0	0	10	25	170	809
95.0	0	3	10	77	381
100.0	0	3	0	11	87
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	0	4	2	0	0
140.0	1	5	4	1	0
145.0	2	6	5	1	0
150.0	2	7	5	0	0
155.0	4	8	5	0	0
160.0	5	9	5	0	0
165.0	6	10	5	0	0
170.0	8	11	6	0	0
175.0	8	12	7	0	0
180.0	6	6	6	6	6

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ZONAL LUMEN SUMMARY

0- 5	451.
5- 10	1253.
10- 15	1785.
15- 20	2057.
20- 25	2133.
25- 30	2070.
30- 35	1888.
35- 40	1660.
40- 45	1425.
45- 50	1200.
50- 55	998.
55- 60	803.
60- 65	623.
65- 70	470.
70- 75	348.
75- 80	255.
80- 85	178.
85- 90	112.
90- 95	60.
95-100	22.
100-105	3.
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	0.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	451
5- 10	1253
10- 15	1785
15- 20	2057
20- 25	2133
25- 30	2070
30- 35	1888
35- 40	1660
40- 45	1425
45- 50	1200
50- 55	998
55- 60	803
60- 65	623
65- 70	470
70- 75	348
75- 80	255
80- 85	178
85- 90	112
90- 95	60
95-100	22
100-105	3
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	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	1704
0- 20	5546
0- 30	9749
0- 40	13297
0- 50	15921
0- 60	17722
0- 70	18815
0- 80	19419
0- 90	19709
0-100	19791
0-110	19794
0-120	19794
0-130	19795
0-140	19796
0-150	19798
0-160	19800
0-170	19801
0-180	19802

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

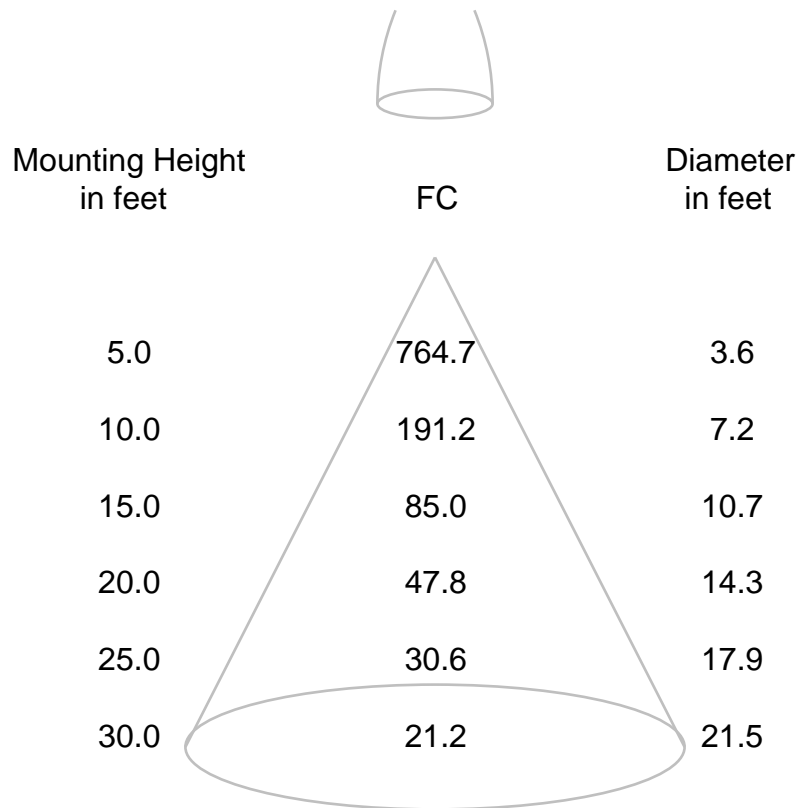
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.