

REPORT NUMBER: SCALED FROM RAB00722

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230W/480

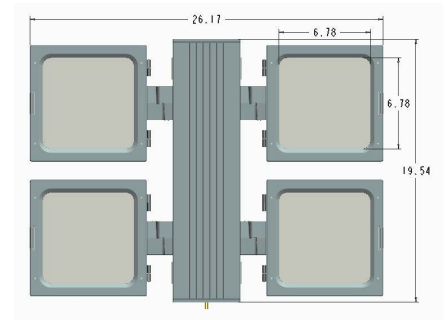
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	9060	9060	9060	9060	9060	
5	9099	9052	8993	8962	8934	854
15	8709	8649	8597	8574	8586	2434
25	8137	8067	8016	8038	8048	3715
35	7082	7044	7193	7303	7315	4479
45	5524	5560	5836	5778	5725	4368
55	3418	3563	4030	3599	3377	3254
65	1540	1690	1939	1567	1343	1687
75	558	615	665	520	438	634
85	81	92	106	72	60	118
90	3	3	2	2	2	
95	0	1	0	1	0	1
105	1	1	1	1	1	1
115	2	2	1	1	1	2
125	2	2	2	2	2	2
135	3	3	3	3	3	2
145	4	4	4	4	4	2
155	4	4	4	5	5	2
165	4	4	4	4	5	1
175	5	5	5	5	5	0
180	5	5	5	5	5	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	7003	32.5
0- 40	11482	53.3
0- 60	19105	88.6
0- 90	21544	99.9
90-120	3	0.0
90-130	5	0.0
90-150	10	0.0
90-180	14	0.1
0-180	21557	100.0

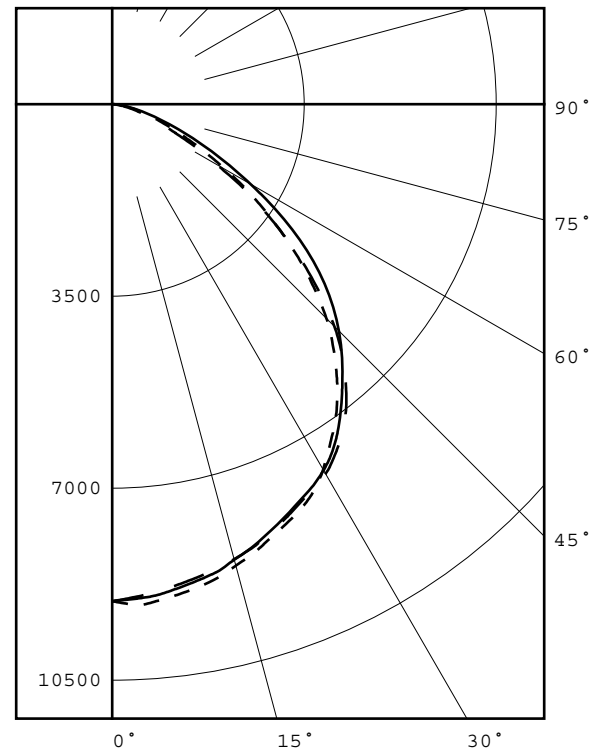
TOTAL INPUT WATTS = 229.7

EFFICACY = 93.8 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.3 1.3



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), 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%) : 99.4 X 100.1 DEGREES
FIELD ANGLE (10%) : 141.1 X 137.2 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	9060	9060	9060	9060	9060
5.0	9099	9052	8993	8962	8934
10.0	8945	8900	8828	8788	8771
15.0	8709	8649	8597	8574	8586
20.0	8421	8383	8320	8310	8331
25.0	8137	8067	8016	8038	8048
30.0	7689	7662	7705	7735	7780
35.0	7082	7044	7193	7303	7315
40.0	6359	6353	6527	6608	6626
45.0	5524	5560	5836	5778	5725
50.0	4502	4596	5036	4719	4579
55.0	3418	3563	4030	3599	3377
60.0	2402	2567	2913	2517	2199
65.0	1540	1690	1939	1567	1343
70.0	961	1051	1186	922	774
75.0	558	615	665	520	438
80.0	278	315	331	255	209
85.0	81	92	106	72	60
90.0	3	3	2	2	2
95.0	0	1	0	1	0
100.0	1	1	1	1	0
105.0	1	1	1	1	1
110.0	1	1	2	1	1
115.0	2	2	1	1	1
120.0	2	2	2	2	2
125.0	2	2	2	2	2
130.0	2	2	2	2	2
135.0	3	3	3	3	3
140.0	3	3	3	4	4
145.0	4	4	4	4	4
150.0	4	4	4	4	5
155.0	4	4	4	5	5
160.0	5	4	4	5	5
165.0	4	4	4	4	5
170.0	5	5	4	5	5
175.0	5	5	5	5	5
180.0	5	5	5	5	5

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ZONAL LUMEN SUMMARY

0- 5	216.
5- 10	638.
10- 15	1036.
15- 20	1398.
20- 25	1720.
25- 30	1995.
30- 35	2196.
35- 40	2284.
40- 45	2259.
45- 50	2109.
50- 55	1818.
55- 60	1437.
60- 65	1021.
65- 70	666.
70- 75	407.
75- 80	227.
80- 85	98.
85- 90	20.
90- 95	0.
95-100	0.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
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	216
5- 10	638
10- 15	1036
15- 20	1398
20- 25	1720
25- 30	1995
30- 35	2196
35- 40	2284
40- 45	2259
45- 50	2109
50- 55	1818
55- 60	1437
60- 65	1021
65- 70	666
70- 75	407
75- 80	227
80- 85	98
85- 90	20
90- 95	0
95-100	0
100-105	1
105-110	1
110-115	1
115-120	1
120-125	1
125-130	1
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	854
0- 20	3288
0- 30	7003
0- 40	11482
0- 50	15850
0- 60	19105
0- 70	20792
0- 80	21426
0- 90	21544
0-100	21545
0-110	21546
0-120	21547
0-130	21549
0-140	21551
0-150	21554
0-160	21556
0-170	21557
0-180	21557

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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56
5	79	68	59	53	77	66	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	35	30	42	35	30	41	35	30	40	34	30	28

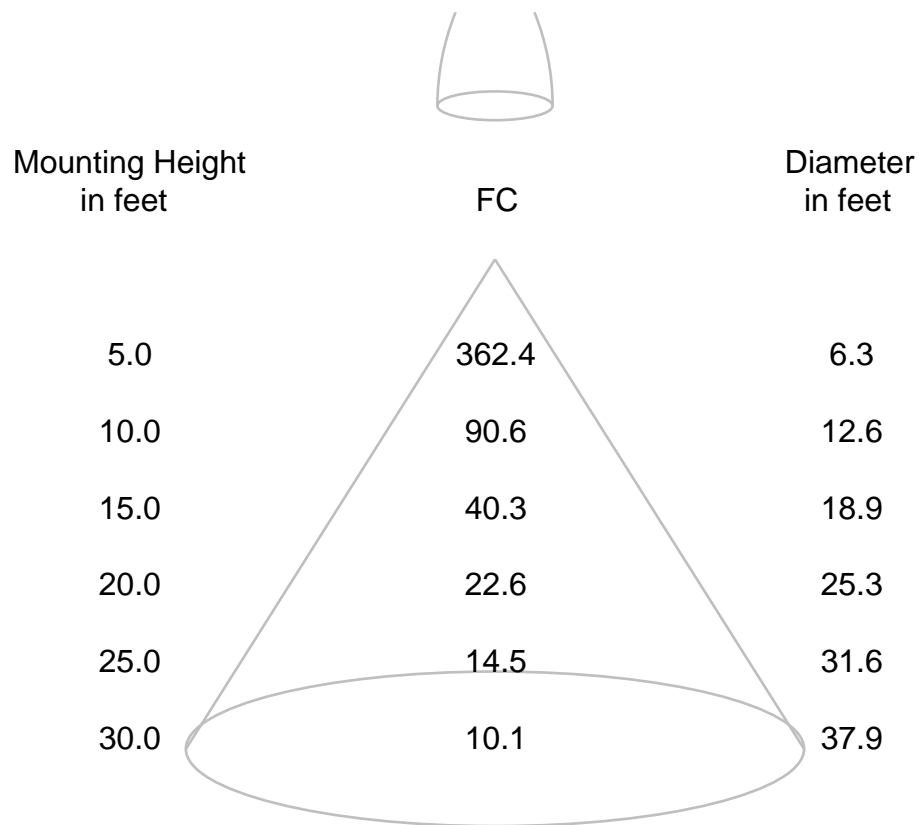
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.