

REPORT NUMBER: SCALED FROM RAB00726

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR230NW/D10

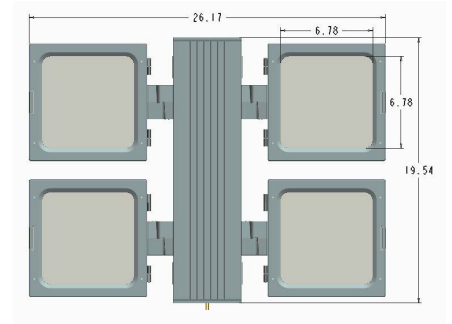
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	8726	8726	8726	8726	8726	
5	8764	8725	8680	8653	8627	824
15	8366	8370	8298	8291	8268	2349
25	7851	7809	7755	7756	7772	3589
35	6899	6881	6944	6990	7004	4330
45	5405	5412	5622	5522	5441	4211
55	3319	3443	3837	3420	3248	3119
65	1448	1605	1841	1517	1321	1616
75	508	571	629	514	443	606
85	73	84	100	73	61	112
90	3	4	3	3	3	
95	1	1	1	1	1	1
105	2	2	2	2	2	2
115	2	2	2	2	2	2
125	3	3	3	3	3	3
135	4	4	4	5	4	3
145	6	6	6	6	6	4
155	6	6	6	7	7	3
165	7	7	7	7	7	2
175	8	8	7	8	8	1
180	8	8	8	8	8	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	6762	32.5
0- 40	11092	53.4
0- 60	18422	88.7
0- 90	20757	99.9
90-120	5	0.0
90-130	8	0.0
90-150	15	0.1
90-180	21	0.1
0-180	20777	100.0

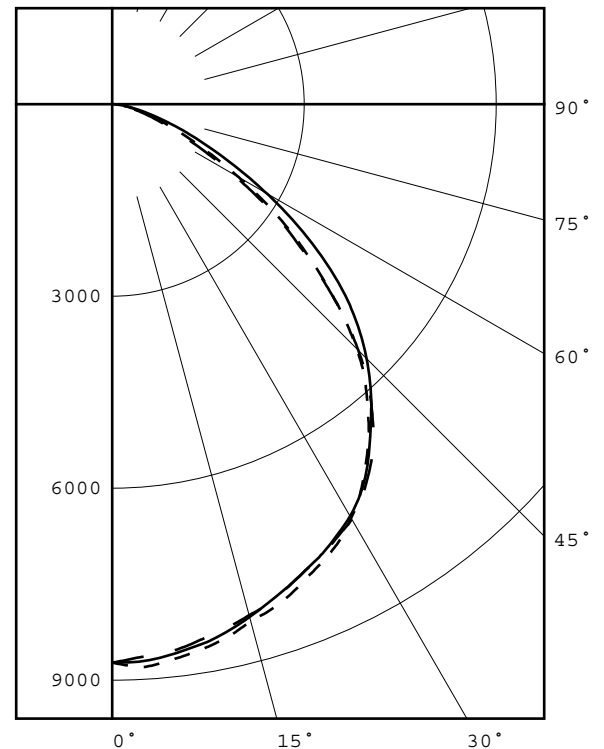
TOTAL INPUT WATTS = 241.2

EFFICACY = 86.1 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 =241.2 AT 120.0 VAC.

LED DRIVER: RD-144-Q0700-C + RDD-075-A1400

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 99.6 X 99.4 DEGREES
FIELD ANGLE (10%): 140.2 X 137.9 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	8726	8726	8726	8726	8726
5.0	8764	8725	8680	8653	8627
10.0	8608	8572	8532	8487	8460
15.0	8366	8370	8298	8291	8268
20.0	8151	8099	8024	8034	8028
25.0	7851	7809	7755	7756	7772
30.0	7470	7446	7434	7461	7490
35.0	6899	6881	6944	6990	7004
40.0	6211	6211	6298	6342	6325
45.0	5405	5412	5622	5522	5441
50.0	4356	4481	4826	4485	4328
55.0	3319	3443	3837	3420	3248
60.0	2287	2467	2787	2402	2154
65.0	1448	1605	1841	1517	1321
70.0	889	988	1134	904	781
75.0	508	571	629	514	443
80.0	252	289	314	258	215
85.0	73	84	100	73	61
90.0	3	4	3	3	3
95.0	1	1	1	1	1
100.0	1	1	1	1	1
105.0	2	2	2	2	2
110.0	2	2	2	2	2
115.0	2	2	2	2	2
120.0	3	3	3	3	3
125.0	3	3	3	3	3
130.0	3	3	3	4	3
135.0	4	4	4	5	4
140.0	5	5	5	5	5
145.0	6	6	6	6	6
150.0	6	6	6	6	6
155.0	6	6	6	7	7
160.0	7	6	6	7	7
165.0	7	7	7	7	7
170.0	7	7	7	7	8
175.0	8	8	7	8	8
180.0	8	8	8	8	8

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ZONAL LUMEN SUMMARY

0- 5	208.
5- 10	616.
10- 15	1000.
15- 20	1350.
20- 25	1661.
25- 30	1929.
30- 35	2123.
35- 40	2207.
40- 45	2182.
45- 50	2028.
50- 55	1743.
55- 60	1376.
60- 65	978.
65- 70	638.
70- 75	389.
75- 80	217.
80- 85	93.
85- 90	19.
90- 95	1.
95-100	1.
100-105	1.
105-110	1.
110-115	1.
115-120	1.
120-125	1.
125-130	1.
130-135	2.
135-140	2.
140-145	2.
145-150	2.
150-155	2.
155-160	1.
160-165	1.
165-170	1.
170-175	1.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	208
5- 10	616
10- 15	1000
15- 20	1350
20- 25	1661
25- 30	1929
30- 35	2123
35- 40	2207
40- 45	2182
45- 50	2028
50- 55	1743
55- 60	1376
60- 65	978
65- 70	638
70- 75	389
75- 80	217
80- 85	93
85- 90	19
90- 95	1
95-100	1
100-105	1
105-110	1
110-115	1
115-120	1
120-125	1
125-130	1
130-135	2
135-140	2
140-145	2
145-150	2
150-155	2
155-160	1
160-165	1
165-170	1
170-175	1
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	824
0- 20	3173
0- 30	6762
0- 40	11092
0- 50	15303
0- 60	18422
0- 70	20038
0- 80	20644
0- 90	20757
0-100	20758
0-110	20760
0-120	20762
0-130	20765
0-140	20768
0-150	20772
0-160	20774
0-170	20776
0-180	20777

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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	81	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	64	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	63	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	43	37	49	42	37	48	41	37	47	41	37	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	31	42	35	30	41	35	30	40	34	30	28

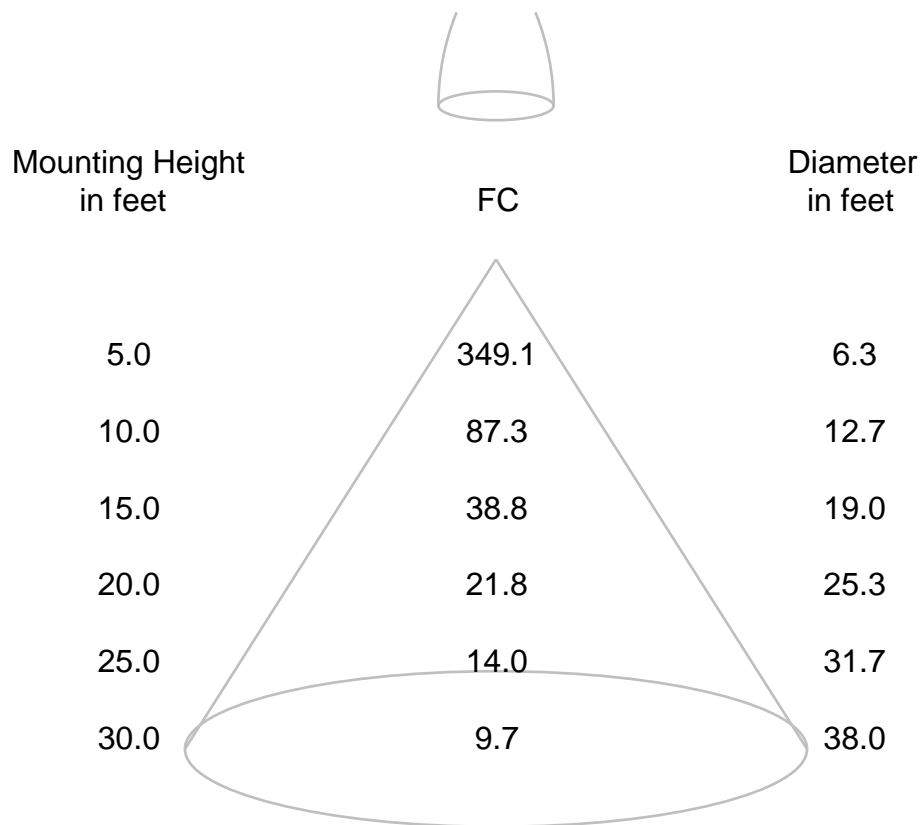
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.