

REPORT NUMBER: SCALED FROM RAB00727

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA230NW/D10

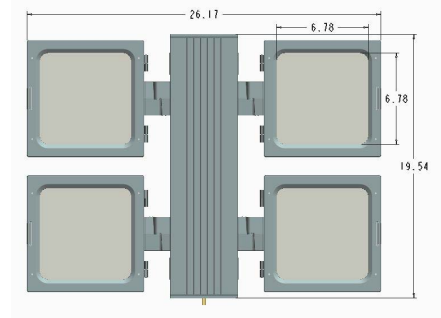
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	18727	18727	18727	18727	18727	
5	17773	17901	18160	18440	18541	1664
15	10047	10793	12845	16184	17723	3743
25	5025	5645	7652	12123	15690	4105
35	1460	2110	4118	8298	13286	3447
45	233	442	1698	5327	10796	2530
55	118	144	526	3098	7566	1718
65	74	89	168	1493	4751	1042
75	38	48	77	613	2770	575
85	8	17	38	265	1313	275
90	0	9	23	155	777	
95	0	3	8	69	359	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	9513	49.6
0- 40	12960	67.5
0- 60	17208	89.7
0- 90	19100	99.5
90-120	79	0.4
90-130	80	0.4
90-150	84	0.4
90-180	90	0.5
0-180	19190	100.0

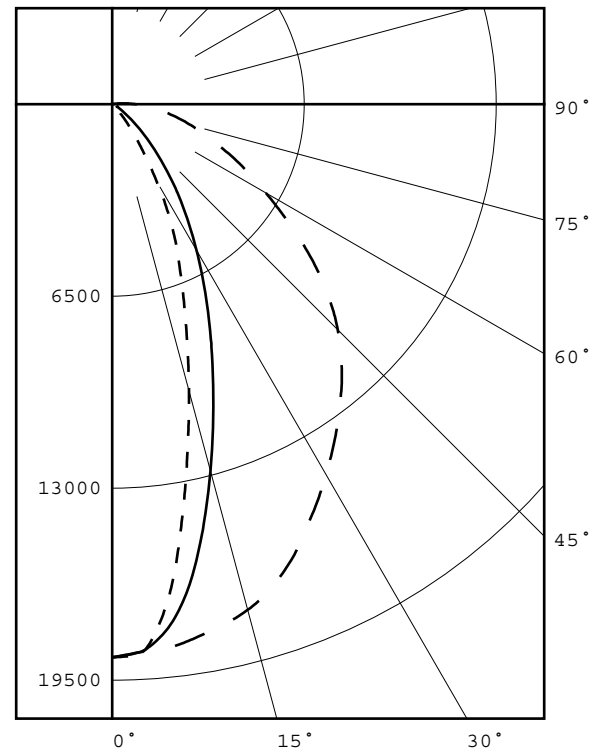
TOTAL INPUT WATTS = 241.1

EFFICACY = 79.6 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 =241.1 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%) : 32.1 X 99.5 DEGREES
FIELD ANGLE (10%): 66.9 X 162.0 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	18727	18727	18727	18727	18727
5.0	17773	17901	18160	18440	18541
10.0	13867	14446	15986	17644	18191
15.0	10047	10793	12845	16184	17723
20.0	7094	7798	9983	14246	16887
25.0	5025	5645	7652	12123	15690
30.0	3002	3785	5708	10094	14471
35.0	1460	2110	4118	8298	13286
40.0	600	1045	2773	6736	12097
45.0	233	442	1698	5327	10796
50.0	150	209	964	4125	9276
55.0	118	144	526	3098	7566
60.0	94	113	285	2214	6010
65.0	74	89	168	1493	4751
70.0	56	67	111	959	3631
75.0	38	48	77	613	2770
80.0	21	31	53	407	2010
85.0	8	17	38	265	1313
90.0	0	9	23	155	777
95.0	0	3	8	69	359
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

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ZONAL LUMEN SUMMARY

0- 5	442.
5- 10	1223.
10- 15	1739.
15- 20	2005.
20- 25	2083.
25- 30	2022.
30- 35	1838.
35- 40	1609.
40- 45	1375.
45- 50	1155.
50- 55	954.
55- 60	764.
60- 65	593.
65- 70	449.
70- 75	333.
75- 80	243.
80- 85	169.
85- 90	106.
90- 95	57.
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.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	442
5- 10	1223
10- 15	1739
15- 20	2005
20- 25	2083
25- 30	2022
30- 35	1838
35- 40	1609
40- 45	1375
45- 50	1155
50- 55	954
55- 60	764
60- 65	593
65- 70	449
70- 75	333
75- 80	243
80- 85	169
85- 90	106
90- 95	57
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	1664
0- 20	5408
0- 30	9513
0- 40	12960
0- 50	15490
0- 60	17208
0- 70	18250
0- 80	18825
0- 90	19100
0-100	19176
0-110	19179
0-120	19179
0-130	19180
0-140	19181
0-150	19184
0-160	19187
0-170	19189
0-180	19190

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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	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

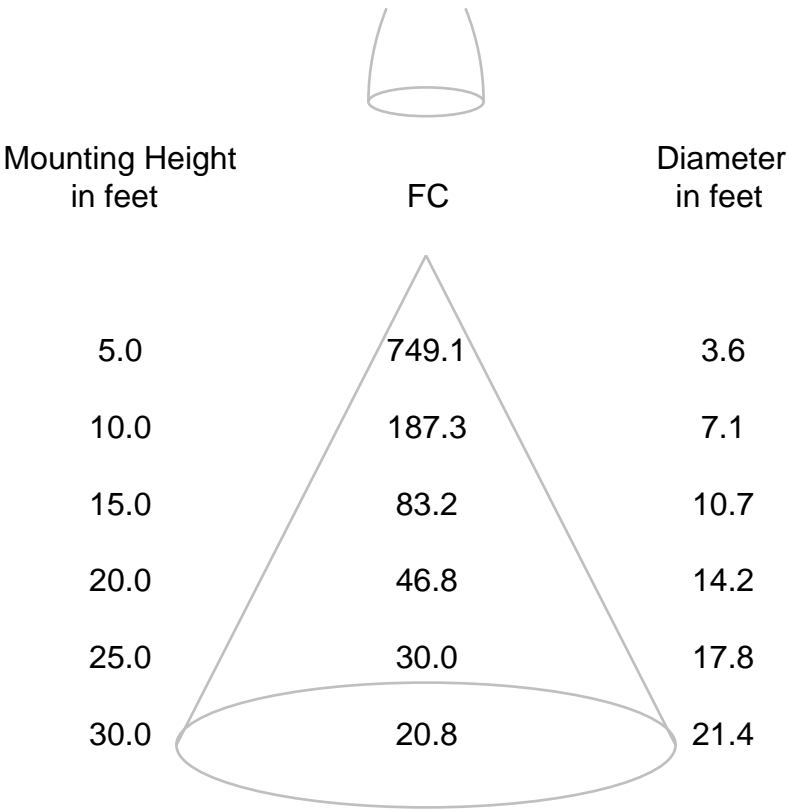
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.