

REPORT NUMBER: SCALED FROM RAB00723

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA230W/D10

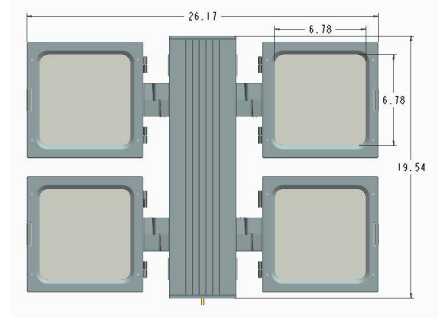
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	19204	19204	19204	19204	19204	
5	18323	18376	18649	18918	18991	1711
15	10383	11153	13267	16705	18145	3860
25	5151	5780	7909	12499	16040	4222
35	1584	2235	4237	8535	13652	3564
45	260	489	1833	5515	11091	2636
55	127	154	601	3250	7951	1809
65	79	95	180	1570	4979	1098
75	40	51	83	641	2918	606
85	10	18	42	287	1388	291
90	0	10	25	170	813	
95	0	3	10	77	383	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	9793	49.2
0- 40	13357	67.1
0- 60	17803	89.5
0- 90	19798	99.5
90-120	86	0.4
90-130	87	0.4
90-150	90	0.5
90-180	93	0.5
0-180	19892	100.0

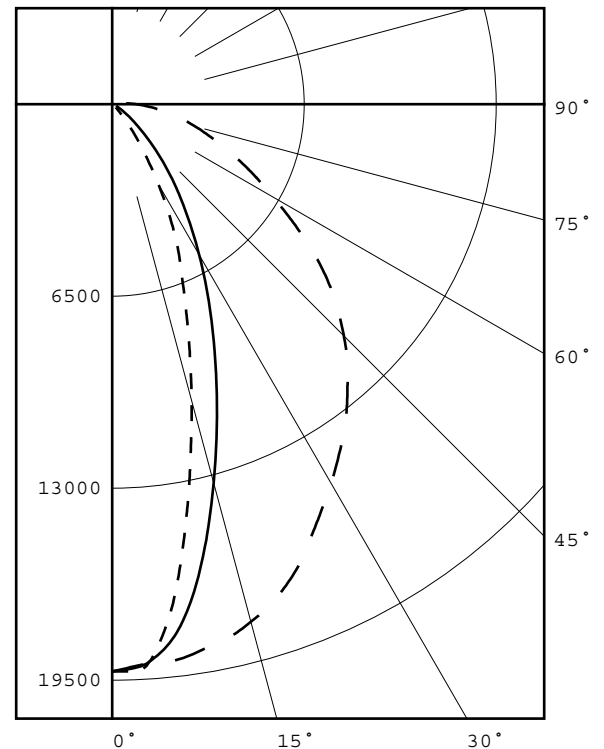
TOTAL INPUT WATTS = 235.5

EFFICACY = 84.5 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 =235.5 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%) : 32.3 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	19204	19204	19204	19204	19204
5.0	18323	18376	18649	18918	18991
10.0	14367	14972	16462	18093	18667
15.0	10383	11153	13267	16705	18145
20.0	7265	8028	10352	14717	17292
25.0	5151	5780	7909	12499	16040
30.0	3124	3926	5900	10403	14821
35.0	1584	2235	4237	8535	13652
40.0	688	1139	2936	6950	12395
45.0	260	489	1833	5515	11091
50.0	163	228	1063	4269	9648
55.0	127	154	601	3250	7951
60.0	101	121	329	2333	6304
65.0	79	95	180	1570	4979
70.0	59	72	117	1004	3834
75.0	40	51	83	641	2918
80.0	23	33	58	437	2115
85.0	10	18	42	287	1388
90.0	0	10	25	170	813
95.0	0	3	10	77	383
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	453.
5- 10	1258.
10- 15	1793.
15- 20	2067.
20- 25	2143.
25- 30	2079.
30- 35	1896.
35- 40	1668.
40- 45	1431.
45- 50	1205.
50- 55	1002.
55- 60	807.
60- 65	626.
65- 70	473.
70- 75	350.
75- 80	256.
80- 85	179.
85- 90	113.
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	453
5- 10	1258
10- 15	1793
15- 20	2067
20- 25	2143
25- 30	2079
30- 35	1896
35- 40	1668
40- 45	1431
45- 50	1205
50- 55	1002
55- 60	807
60- 65	626
65- 70	473
70- 75	350
75- 80	256
80- 85	179
85- 90	113
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	1711
0- 20	5571
0- 30	9793
0- 40	13357
0- 50	15994
0- 60	17803
0- 70	18901
0- 80	19507
0- 90	19798
0-100	19881
0-110	19884
0-120	19884
0-130	19885
0-140	19886
0-150	19888
0-160	19890
0-170	19891
0-180	19892

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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

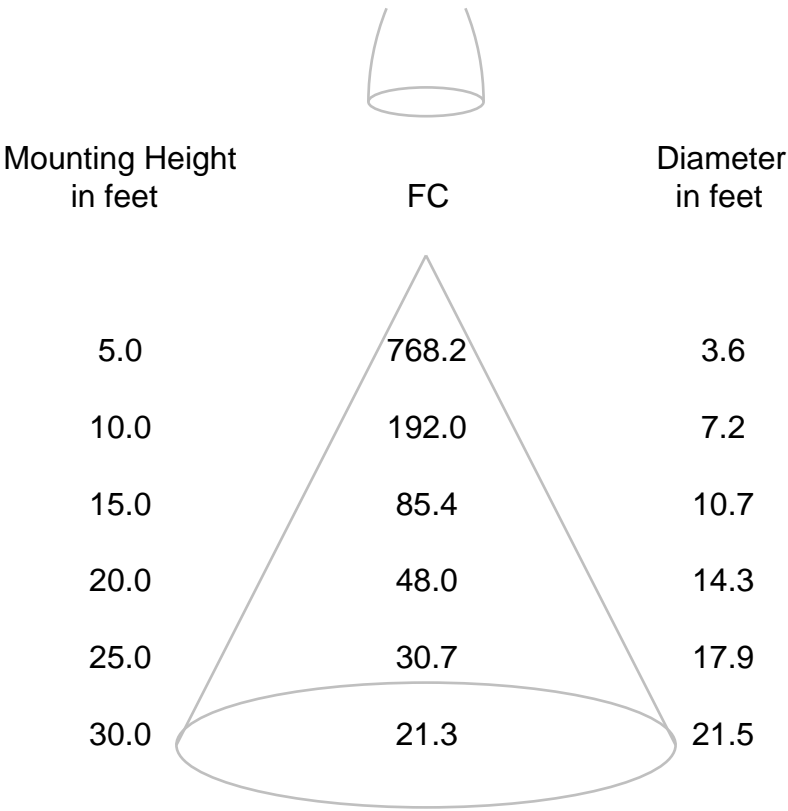
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.