

REPORT NUMBER: SCALED FROM RAB00731

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCORA230YW/480

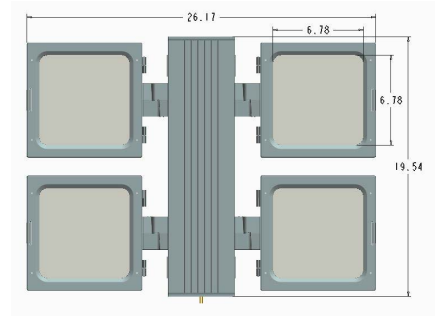
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 24 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	16630	16630	16630	16630	16630	
5	15665	15803	16070	16332	16407	1467
15	8738	9246	11133	14148	15640	3262
25	4508	4985	6632	10353	13860	3573
35	1137	1695	3643	7024	11812	2969
45	165	288	1422	4504	9613	2164
55	91	111	388	2644	6752	1481
65	57	70	120	1273	4228	905
75	29	37	60	496	2504	501
85	6	13	31	212	1251	246
90	1	7	19	125	753	
95	0	3	7	56	366	72
105	0	2	0	0	0	3
115	0	2	0	0	0	0
125	0	3	0	0	0	1
135	0	3	2	0	0	1
145	2	6	4	1	0	2
155	4	8	6	1	0	2
165	8	12	8	1	0	2
175	11	14	10	2	0	1
180	8	8	8	8	8	

FLUX



ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	8302	49.9
0- 40	11271	67.7
0- 60	14916	89.6
0- 90	16568	99.5
90-120	75	0.5
90-130	76	0.5
90-150	79	0.5
90-180	83	0.5
0-180	16652	100.0

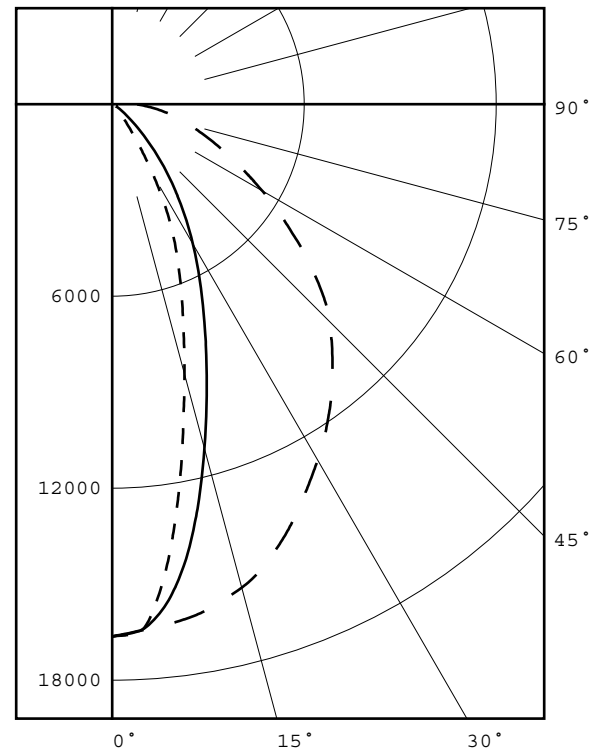
TOTAL INPUT WATTS = 237.6

EFFICACY = 70.1 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 =237.6 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%) : 31.6 X 99.5 DEGREES
FIELD ANGLE (10%): 65.7 X 163.1 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	16630	16630	16630	16630	16630
5.0	15665	15803	16070	16332	16407
10.0	12101	12563	13991	15517	16132
15.0	8738	9246	11133	14148	15640
20.0	6336	6801	8616	12334	14861
25.0	4508	4985	6632	10353	13860
30.0	2592	3270	5047	8567	12837
35.0	1137	1695	3643	7024	11812
40.0	413	746	2441	5693	10709
45.0	165	288	1422	4504	9613
50.0	115	151	748	3494	8248
55.0	91	111	388	2644	6752
60.0	73	88	197	1902	5406
65.0	57	70	120	1273	4228
70.0	43	53	85	794	3276
75.0	29	37	60	496	2504
80.0	16	24	43	329	1853
85.0	6	13	31	212	1251
90.0	1	7	19	125	753
95.0	0	3	7	56	366
100.0	0	2	0	8	89
105.0	0	2	0	0	0
110.0	0	2	0	0	0
115.0	0	2	0	0	0
120.0	0	2	0	0	0
125.0	0	3	0	0	0
130.0	0	3	1	0	0
135.0	0	3	2	0	0
140.0	1	4	3	1	0
145.0	2	6	4	1	0
150.0	3	7	5	1	0
155.0	4	8	6	1	0
160.0	7	10	7	1	0
165.0	8	12	8	1	0
170.0	10	13	9	2	0
175.0	11	14	10	2	0
180.0	8	8	8	8	8

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ZONAL LUMEN SUMMARY

0- 5	391.
5- 10	1075.
10- 15	1518.
15- 20	1744.
20- 25	1815.
25- 30	1759.
30- 35	1589.
35- 40	1380.
40- 45	1175.
45- 50	989.
50- 55	819.
55- 60	662.
60- 65	516.
65- 70	390.
70- 75	289.
75- 80	213.
80- 85	150.
85- 90	96.
90- 95	52.
95-100	19.
100-105	3.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
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	391
5- 10	1075
10- 15	1518
15- 20	1744
20- 25	1815
25- 30	1759
30- 35	1589
35- 40	1380
40- 45	1175
45- 50	989
50- 55	819
55- 60	662
60- 65	516
65- 70	390
70- 75	289
75- 80	213
80- 85	150
85- 90	96
90- 95	52
95-100	19
100-105	3
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
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	1467
0- 20	4729
0- 30	8302
0- 40	11271
0- 50	13435
0- 60	14916
0- 70	15821
0- 80	16323
0- 90	16568
0-100	16640
0-110	16643
0-120	16644
0-130	16644
0-140	16645
0-150	16647
0-160	16649
0-170	16651
0-180	16652

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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	99
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	97	88	82	76	94	87	81	76	84	79	74	81	77	73	79	75	72	70
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	68	65	63
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	52
7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	41
10	63	52	45	41	62	52	45	41	51	45	41	50	44	40	49	44	40	39

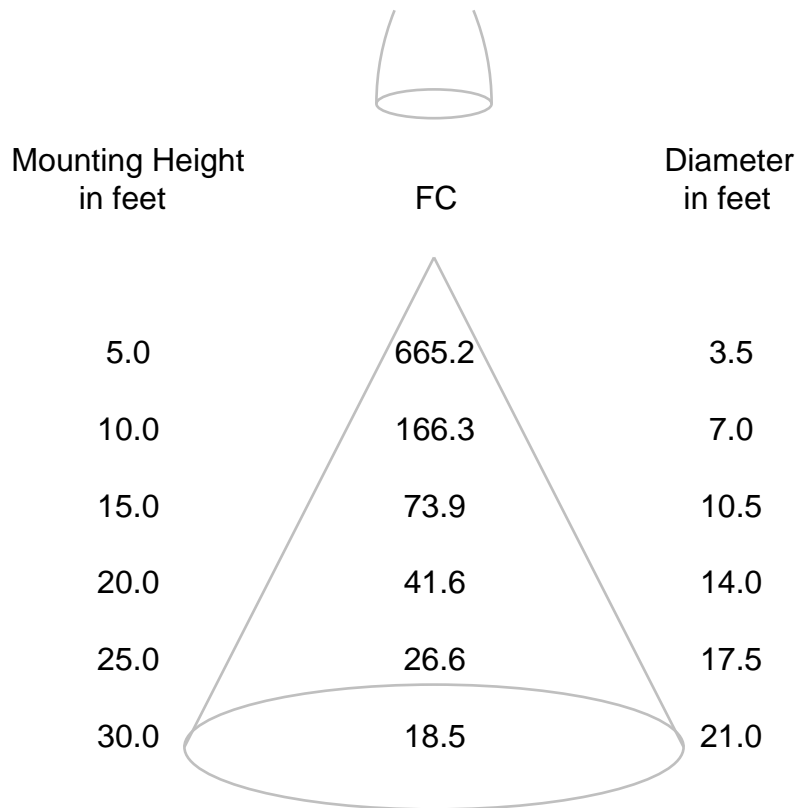
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.