

REPORT NUMBER: SCALED FROM RAB00742

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ISSUE DATE: 01/05/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: FALCOR160YW/D10

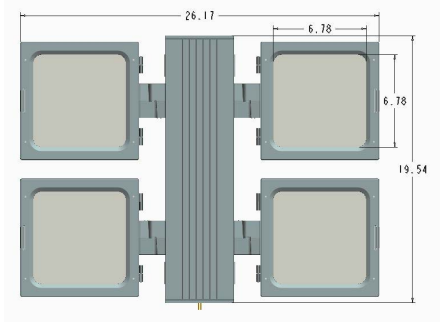
LUMINAIRE: ONE LUMINAIRE CONSISTING OF TWO PAIRS OF HEADS. EACH PAIR MOUNTED IN OPPOSING DIRECTIONS, EACH LIGHT HEAD CONSISTING OF: CAST FINNED METAL HOUSING, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, ONE CIRCUIT BOARD WITH 16 LEDS, CLEAR FLAT PRISMATIC GLASS LENS.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	4988	4988	4988	4988	4988	
5	4981	4979	4951	4955	4956	470
15	4747	4745	4690	4682	4684	1328
25	4407	4336	4279	4324	4397	2001
35	3955	3844	3782	3854	3973	2407
45	3153	3094	3083	3103	3175	2394
55	2033	2092	2347	2105	2049	1911
65	967	1039	1279	1047	966	1090
75	360	391	479	395	363	444
85	61	65	84	68	60	90
90	5	3	4	3	3	
95	1	1	1	1	1	1
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	1	1	1	1	1	1
135	2	2	2	2	2	2
145	3	2	2	3	3	2
155	3	3	3	3	3	1
165	3	3	3	3	3	1
175	3	3	3	3	3	0
180	3	3	3	3	3	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	3799	31.3
0- 40	6206	51.1
0- 60	10511	86.5
0- 90	12135	99.9
90-120	3	0.0
90-130	4	0.0
90-150	7	0.1
90-180	10	0.1
0-180	12145	100.0

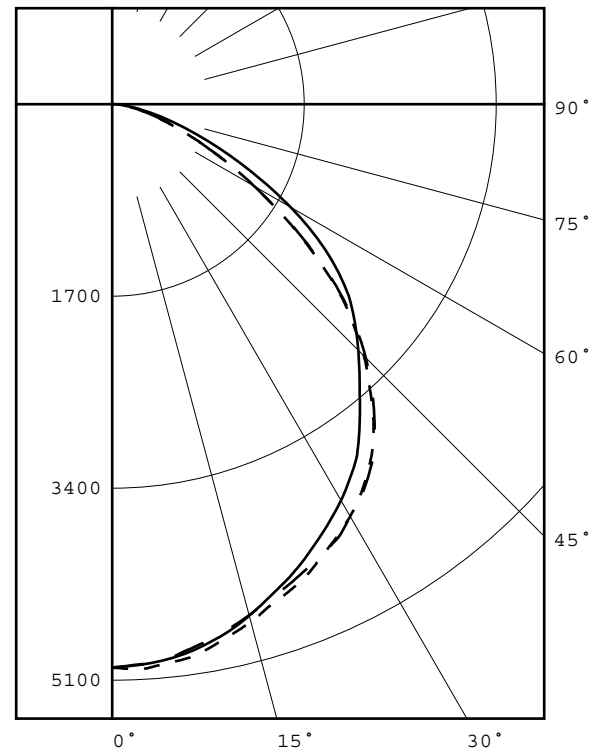
TOTAL INPUT WATTS = 163.1

EFFICACY = 74.5 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

LAMP: SIXTY-FOUR WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL
BASE-UP POSITION.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

TOTAL INPUT WATTS =163.1 AT 120.0 VAC.

LED DRIVER: RD-144-Q0700-C

TEST PROCEDURE: IESNA LM-79-08

ACCREDITED LABORATORY CODE 201058-0

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 102.3 X 102.6 DEGREES
FIELD ANGLE (10%) : 143.8 X 144.0 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	4988	4988	4988	4988	4988
5.0	4981	4979	4951	4955	4956
10.0	4896	4888	4849	4819	4827
15.0	4747	4745	4690	4682	4684
20.0	4588	4546	4493	4509	4538
25.0	4407	4336	4279	4324	4397
30.0	4215	4124	4052	4131	4214
35.0	3955	3844	3782	3854	3973
40.0	3594	3489	3412	3504	3612
45.0	3153	3094	3083	3103	3175
50.0	2648	2636	2765	2649	2664
55.0	2033	2092	2347	2105	2049
60.0	1452	1528	1823	1540	1454
65.0	967	1039	1279	1047	966
70.0	607	657	822	659	610
75.0	360	391	479	395	363
80.0	185	199	238	207	185
85.0	61	65	84	68	60
90.0	5	3	4	3	3
95.0	1	1	1	1	1
100.0	1	1	1	1	1
105.0	1	1	1	1	1
110.0	1	1	1	1	1
115.0	1	1	1	1	1
120.0	1	1	1	1	1
125.0	1	1	1	1	1
130.0	2	2	2	2	2
135.0	2	2	2	2	2
140.0	2	2	2	2	2
145.0	3	2	2	3	3
150.0	3	3	3	3	3
155.0	3	3	3	3	3
160.0	3	3	3	3	3
165.0	3	3	3	3	3
170.0	3	3	3	3	3
175.0	3	3	3	3	3
180.0	3	3	3	3	3

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ZONAL LUMEN SUMMARY

0- 5	119.
5- 10	351.
10- 15	567.
15- 20	761.
20- 25	930.
25- 30	1071.
30- 35	1178.
35- 40	1229.
40- 45	1224.
45- 50	1170.
50- 55	1050.
55- 60	861.
60- 65	646.
65- 70	444.
70- 75	282.
75- 80	162.
80- 85	73.
85- 90	17.
90- 95	1.
95-100	1.
100-105	1.
105-110	1.
110-115	1.
115-120	0.
120-125	0.
125-130	1.
130-135	1.
135-140	1.
140-145	1.
145-150	1.
150-155	1.
155-160	1.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	119
5- 10	351
10- 15	567
15- 20	761
20- 25	930
25- 30	1071
30- 35	1178
35- 40	1229
40- 45	1224
45- 50	1170
50- 55	1050
55- 60	861
60- 65	646
65- 70	444
70- 75	282
75- 80	162
80- 85	73
85- 90	17
90- 95	1
95-100	1
100-105	1
105-110	1
110-115	1
115-120	0
120-125	0
125-130	1
130-135	1
135-140	1
140-145	1
145-150	1
150-155	1
155-160	1
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	470
0- 20	1798
0- 30	3799
0- 40	6206
0- 50	8600
0- 60	10511
0- 70	11601
0- 80	12045
0- 90	12135
0-100	12137
0-110	12138
0-120	12139
0-130	12140
0-140	12141
0-150	12143
0-160	12144
0-170	12145
0-180	12145

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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	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	73	68	76	71	66	73	69	65	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

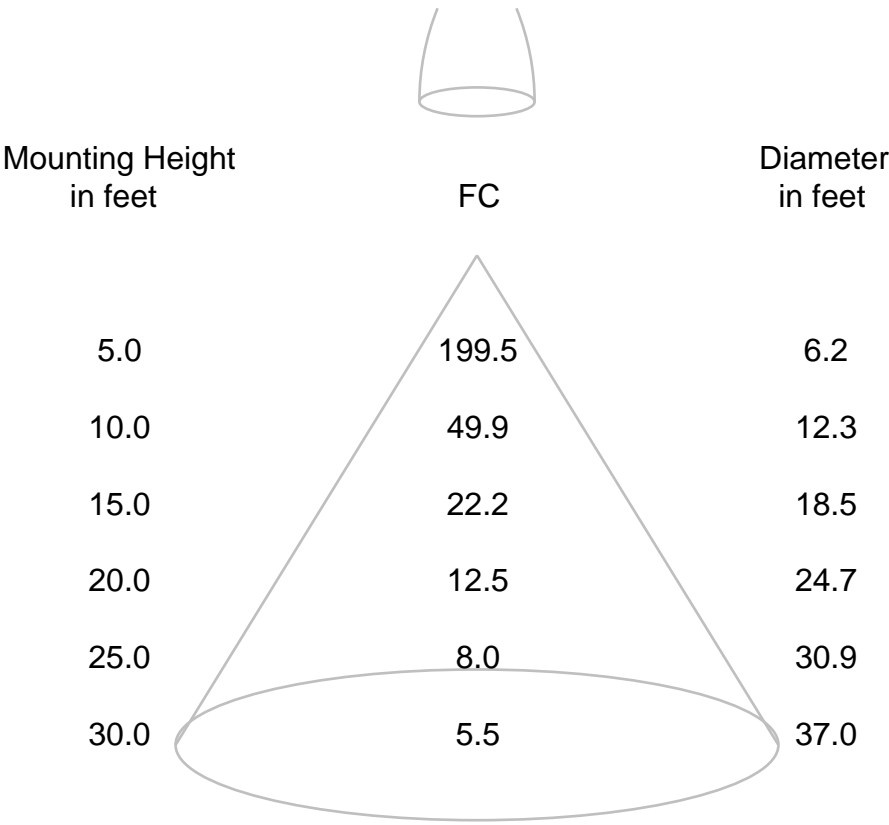
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.