

REPORT NUMBER: PRORATED FROM RAB03264

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X4-39/D10

LUMINAIRE: WHITE PAINTED SHEET METAL HOUSING, 2 WHITE CIRCUIT BOARDS
EACH WITH 77 LEDS, MATTE WHITE POLYCARBONATE LENS IN THE CENTER,
ROUGH SURFACE FACING OUT. FIXTURE WAS MOUNTED IN Lithonia Lighting
Model #2GT8 4 32 A12 MVOLT 1/4 MVISPWS1836LP741 HOUSING.

LAMPS: ONE HUNDRED AND FIFTY-FOUR LIGHT EMITTING DIODES (LEDs), VERTICAL
BASE-UP POSITION.

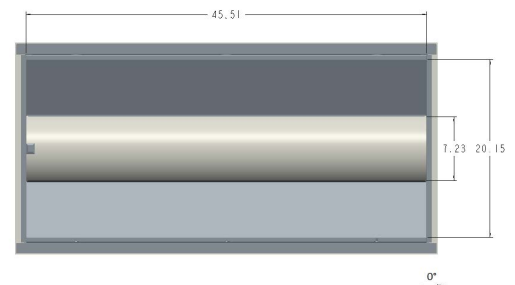
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1732	1732	1732	1732	1732
5	1703	1712	1733	1739	1738
15	1639	1651	1676	1685	1686
25	1514	1526	1556	1571	1578
35	1337	1355	1389	1413	1425
45	1120	1140	1179	1220	1234
55	876	898	950	1006	1024
65	614	642	709	761	780
75	346	389	446	515	546
85	104	142	191	219	223
90	7	15	10	6	2

FLUX

164
471
715
866
910
850
695
474
187



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1350	25.3
0- 40	2216	41.6
0- 60	3975	74.6
0- 90	5332	100.0
90-180	0	0.0
0-180	5332	100.0

TOTAL INPUT WATTS = 39.6

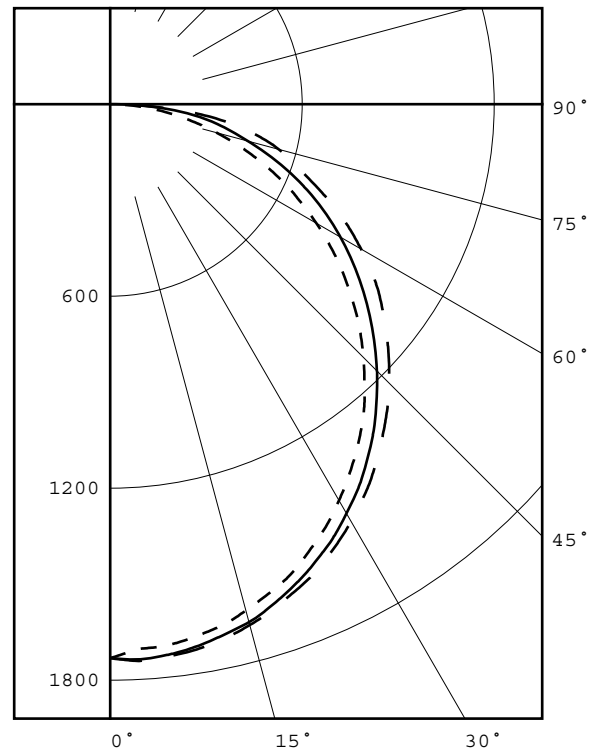
EFFICACY = 134.6 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.2 1.3
PLANE : 0-DEG 90-DEG
LUMINOUS LENGTH : 45.510 20.150

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	2676.	2818.	2948.
55	2580.	2799.	3018.
65	2457.	2833.	3120.
75	2256.	2911.	3566.
85	2017.	3698.	4323.



LEGEND:

0-deg: - - - - -
45-deg: _____
90-deg: - . - . - .

Checked P.ALBERS
Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03264 WHICH WAS
RTLED2X4-39NHC/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 39.6 W AT 120.0 VAC.
LED DRIVER: RD-050-EUH-A1050
TEST PROCEDURE: IESNA LM-79-08
LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE

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PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 110.4 X 122.9 DEGREES
FIELD ANGLE (10%) : 163.9 X 172.0 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1732	1732	1732	1732	1732
2.5	1708	1717	1738	1740	1742
5.0	1703	1712	1733	1739	1738
7.5	1695	1702	1724	1732	1732
10.0	1680	1687	1711	1719	1721
12.5	1664	1674	1693	1703	1706
15.0	1639	1651	1676	1685	1686
17.5	1613	1623	1650	1660	1664
20.0	1587	1594	1622	1634	1636
22.5	1552	1565	1591	1605	1610
25.0	1514	1526	1556	1571	1578
27.5	1475	1489	1520	1539	1544
30.0	1431	1448	1478	1501	1506
32.5	1385	1402	1436	1458	1467
35.0	1337	1355	1389	1413	1425
37.5	1287	1304	1339	1368	1378
40.0	1235	1252	1288	1322	1330
42.5	1177	1197	1234	1271	1283
45.0	1120	1140	1179	1220	1234
47.5	1062	1081	1122	1167	1182
50.0	1001	1022	1065	1114	1130
52.5	938	960	1007	1059	1076
55.0	876	898	950	1006	1024
57.5	810	834	891	948	966
60.0	745	769	831	888	906
62.5	678	705	771	825	845
65.0	614	642	709	761	780
67.5	548	581	644	692	714
70.0	479	517	580	631	650
72.5	411	452	513	571	597
75.0	346	389	446	515	546
77.5	281	326	386	457	483
80.0	221	259	331	389	410
82.5	161	198	265	311	327
85.0	104	142	191	219	223
87.5	50	79	94	100	100
90.0	7	15	10	6	2

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ZONAL LUMEN SUMMARY

0- 5	41.
5- 10	123.
10- 15	200.
15- 20	271.
20- 25	332.
25- 30	383.
30- 35	421.
35- 40	445.
40- 45	456.
45- 50	454.
50- 55	438.
55- 60	411.
60- 65	372.
65- 70	323.
70- 75	267.
75- 80	207.
80- 85	137.
85- 90	50.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	41
5- 10	123
10- 15	200
15- 20	271
20- 25	332
25- 30	383
30- 35	421
35- 40	445
40- 45	456
45- 50	454
50- 55	438
55- 60	411
60- 65	372
65- 70	323
70- 75	267
75- 80	207
80- 85	137
85- 90	50
90- 95	1
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	164
0- 20	635
0- 30	1350
0- 40	2216
0- 50	3126
0- 60	3975
0- 70	4670
0- 80	5144
0- 90	5331
0-100	5332
0-110	5332
0-120	5332
0-130	5332
0-140	5332
0-150	5332
0-160	5332
0-170	5332
0-180	5332

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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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	57	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

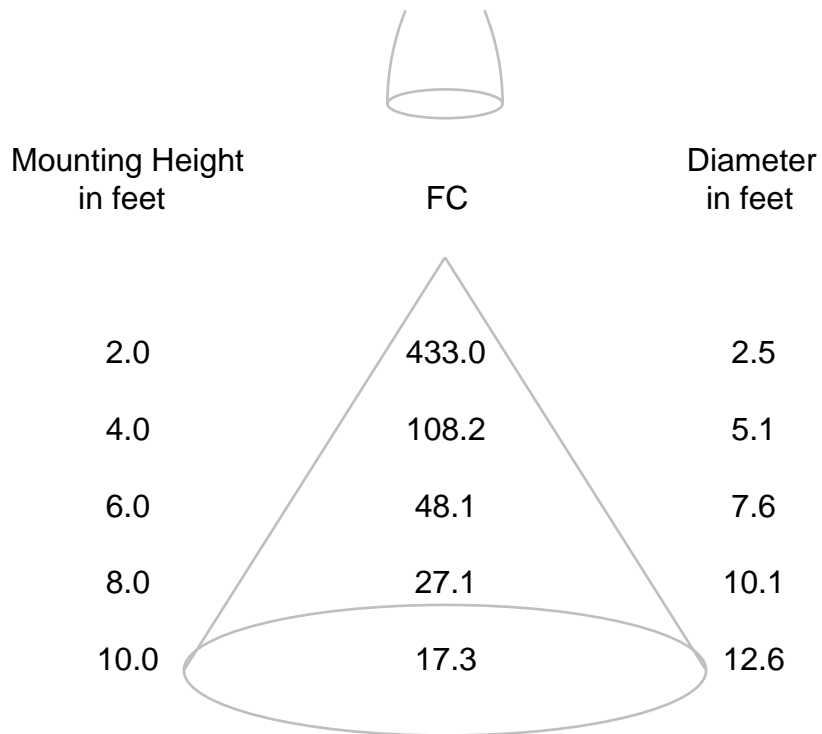
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.