

REPORT NUMBER: PRORATED FROM RAB03264

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X4-39Y/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.

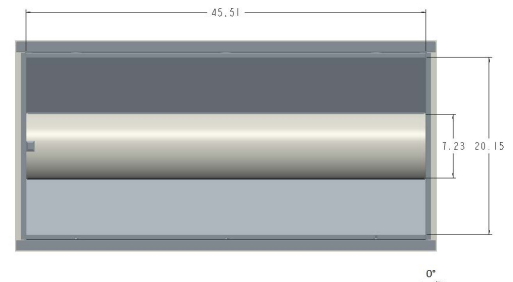
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1623	1623	1623	1623	1623
5	1596	1604	1624	1629	1628
15	1535	1547	1570	1578	1580
25	1418	1430	1458	1472	1479
35	1252	1270	1301	1324	1335
45	1049	1068	1105	1143	1156
55	821	841	890	942	960
65	576	601	664	713	731
75	324	364	418	483	512
85	97	133	179	205	209
90	7	14	9	6	2

FLUX

154
441
670
812
852
796
651
444
175



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1264	25.3
0- 40	2076	41.6
0- 60	3725	74.6
0- 90	4995	100.0
90-180	0	0.0
0-180	4995	100.0

TOTAL INPUT WATTS = 39.6

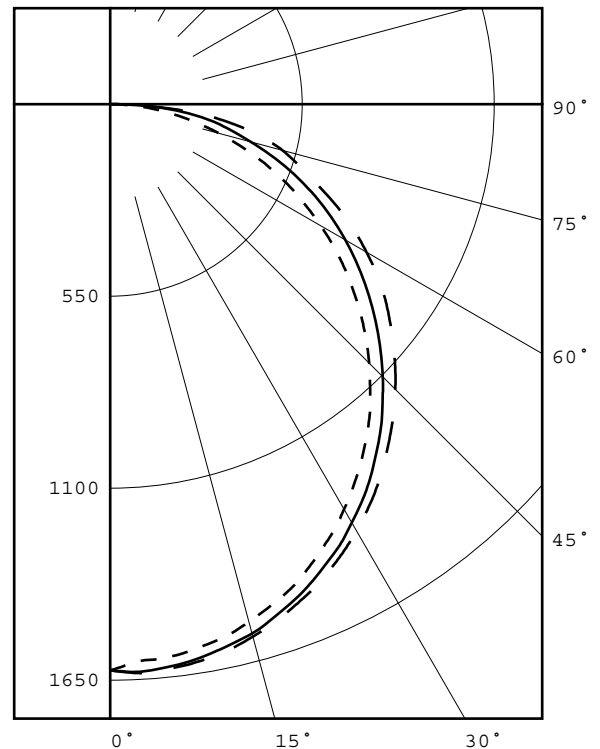
EFFICACY = 126.1 Lm/W

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	2507.	2640.	2762.
55	2417.	2622.	2827.
65	2301.	2654.	2923.
75	2114.	2728.	3341.
85	1890.	3465.	4050.



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	1623	1623	1623	1623	1623
2.5	1600	1609	1628	1631	1632
5.0	1596	1604	1624	1629	1628
7.5	1588	1595	1616	1623	1623
10.0	1574	1581	1603	1611	1612
12.5	1559	1568	1587	1596	1598
15.0	1535	1547	1570	1578	1580
17.5	1511	1520	1546	1555	1559
20.0	1487	1494	1519	1531	1533
22.5	1454	1466	1490	1504	1509
25.0	1418	1430	1458	1472	1479
27.5	1382	1395	1424	1441	1446
30.0	1340	1357	1385	1407	1411
32.5	1298	1314	1345	1366	1374
35.0	1252	1270	1301	1324	1335
37.5	1206	1222	1255	1281	1291
40.0	1157	1173	1207	1238	1246
42.5	1103	1121	1156	1191	1202
45.0	1049	1068	1105	1143	1156
47.5	995	1013	1052	1093	1107
50.0	938	957	998	1043	1058
52.5	879	899	944	992	1009
55.0	821	841	890	942	960
57.5	759	781	834	888	905
60.0	698	721	779	832	848
62.5	635	660	722	773	792
65.0	576	601	664	713	731
67.5	513	544	604	649	669
70.0	449	484	543	591	609
72.5	385	424	480	535	559
75.0	324	364	418	483	512
77.5	263	305	362	428	453
80.0	207	243	310	364	384
82.5	151	186	248	291	306
85.0	97	133	179	205	209
87.5	46	74	88	94	94
90.0	7	14	9	6	2

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ZONAL LUMEN SUMMARY

0- 5	39.
5- 10	115.
10- 15	187.
15- 20	253.
20- 25	311.
25- 30	359.
30- 35	394.
35- 40	417.
40- 45	427.
45- 50	425.
50- 55	411.
55- 60	385.
60- 65	348.
65- 70	302.
70- 75	250.
75- 80	194.
80- 85	129.
85- 90	46.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	39
5- 10	115
10- 15	187
15- 20	253
20- 25	311
25- 30	359
30- 35	394
35- 40	417
40- 45	427
45- 50	425
50- 55	411
55- 60	385
60- 65	348
65- 70	302
70- 75	250
75- 80	194
80- 85	129
85- 90	46
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	154
0- 20	595
0- 30	1264
0- 40	2076
0- 50	2929
0- 60	3725
0- 70	4375
0- 80	4819
0- 90	4994
0-100	4995
0-110	4995
0-120	4995
0-130	4995
0-140	4995
0-150	4995
0-160	4995
0-170	4995
0-180	4995

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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

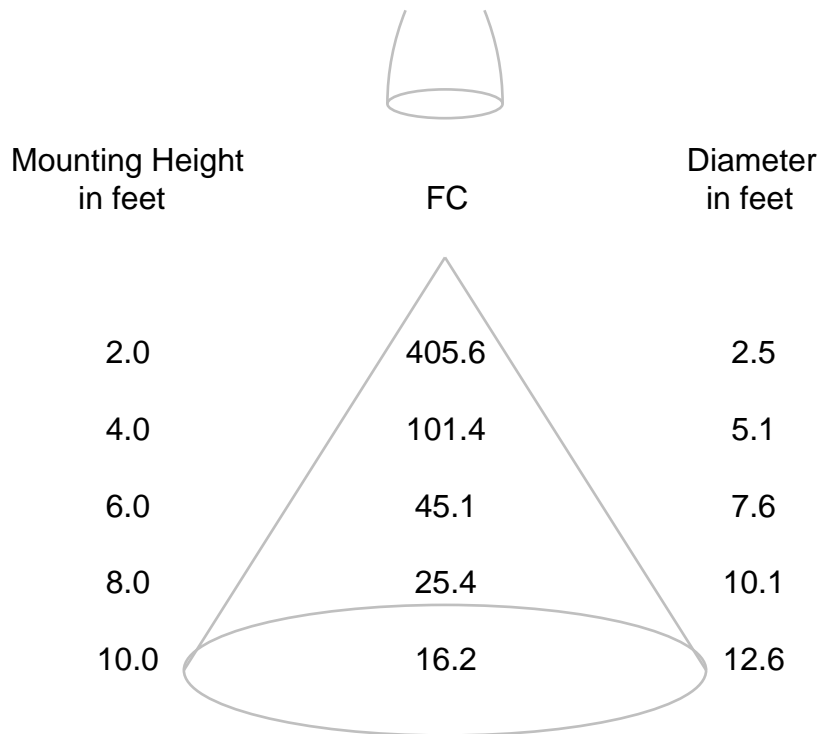
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.