

REPORT NUMBER: PRORATED FROM RAB03264

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X4-39N/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.

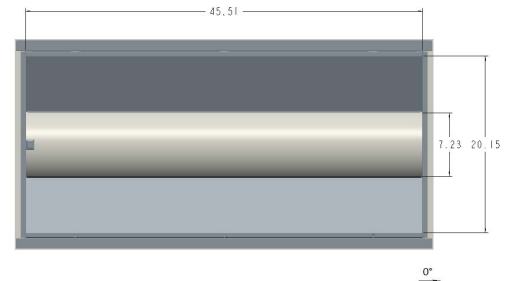
LAMPS: ONE HUNDRED AND FIFTY-FOUR LIGHT EMITTING DIODES (LEDs), VERTICAL  
BASE-UP POSITION.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1711	1711	1711	1711	1711	
5	1683	1692	1713	1719	1717	162
15	1620	1632	1656	1665	1666	465
25	1496	1508	1537	1552	1560	706
35	1321	1339	1372	1397	1408	856
45	1107	1126	1165	1206	1219	899
55	865	887	939	994	1012	840
65	607	634	700	752	771	686
75	342	384	441	509	540	468
85	103	141	189	217	220	185
90	7	15	10	6	2	

## FLUX



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1334	25.3
0- 40	2190	41.6
0- 60	3928	74.6
0- 90	5269	100.0
90-180	0	0.0
0-180	5269	100.0

TOTAL INPUT WATTS = 39

EFFICACY = 135.1 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

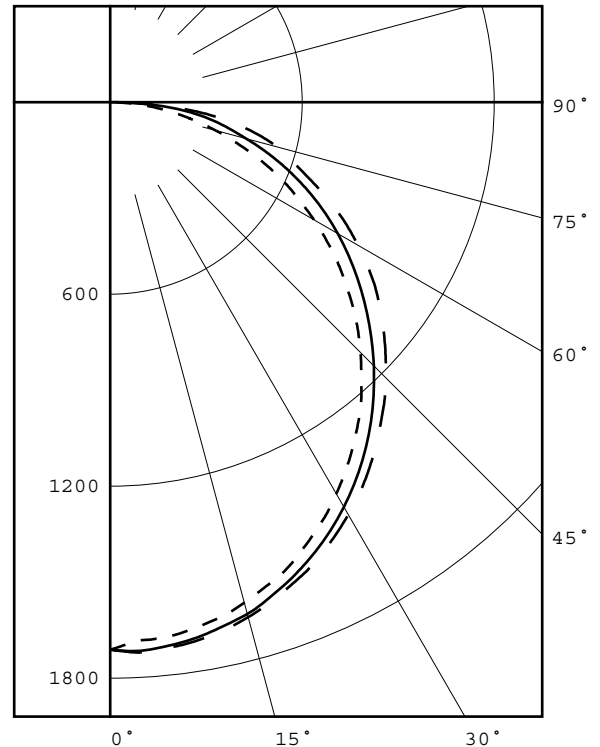
SPACING CRITERIA : 1.2 1.3

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	2644.	2785.	2913.
55	2549.	2766.	2982.
65	2427.	2799.	3083.
75	2230.	2877.	3524.
85	1993.	3655.	4272.



### 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 = 39.0 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	1711	1711	1711	1711	1711
2.5	1688	1697	1717	1720	1721
5.0	1683	1692	1713	1719	1717
7.5	1675	1682	1704	1711	1711
10.0	1660	1667	1691	1699	1700
12.5	1644	1654	1673	1683	1686
15.0	1620	1632	1656	1665	1666
17.5	1594	1604	1631	1640	1644
20.0	1568	1575	1602	1615	1617
22.5	1534	1546	1572	1586	1591
25.0	1496	1508	1537	1552	1560
27.5	1458	1471	1502	1520	1525
30.0	1414	1431	1460	1484	1489
32.5	1369	1386	1419	1441	1449
35.0	1321	1339	1372	1397	1408
37.5	1272	1289	1323	1351	1361
40.0	1220	1238	1273	1306	1315
42.5	1163	1183	1219	1256	1268
45.0	1107	1126	1165	1206	1219
47.5	1049	1069	1109	1153	1168
50.0	989	1010	1053	1100	1116
52.5	927	949	995	1047	1064
55.0	865	887	939	994	1012
57.5	801	824	880	936	955
60.0	736	760	821	878	895
62.5	670	697	761	815	835
65.0	607	634	700	752	771
67.5	541	574	637	684	705
70.0	474	510	573	623	643
72.5	406	447	507	564	590
75.0	342	384	441	509	540
77.5	278	322	382	452	477
80.0	218	256	327	384	405
82.5	159	196	262	307	323
85.0	103	141	189	217	220
87.5	49	78	93	99	99
90.0	7	15	10	6	2

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## ZONAL LUMEN SUMMARY

0- 5	41.
5- 10	121.
10- 15	198.
15- 20	267.
20- 25	328.
25- 30	378.
30- 35	416.
35- 40	440.
40- 45	451.
45- 50	448.
50- 55	433.
55- 60	406.
60- 65	368.
65- 70	319.
70- 75	264.
75- 80	205.
80- 85	136.
85- 90	49.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	41
5- 10	121
10- 15	198
15- 20	267
20- 25	328
25- 30	378
30- 35	416
35- 40	440
40- 45	451
45- 50	448
50- 55	433
55- 60	406
60- 65	368
65- 70	319
70- 75	264
75- 80	205
80- 85	136
85- 90	49
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	162
0- 20	627
0- 30	1334
0- 40	2190
0- 50	3089
0- 60	3928
0- 70	4615
0- 80	5083
0- 90	5268
0-100	5269
0-110	5269
0-120	5269
0-130	5269
0-140	5269
0-150	5269
0-160	5269
0-170	5269
0-180	5269

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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

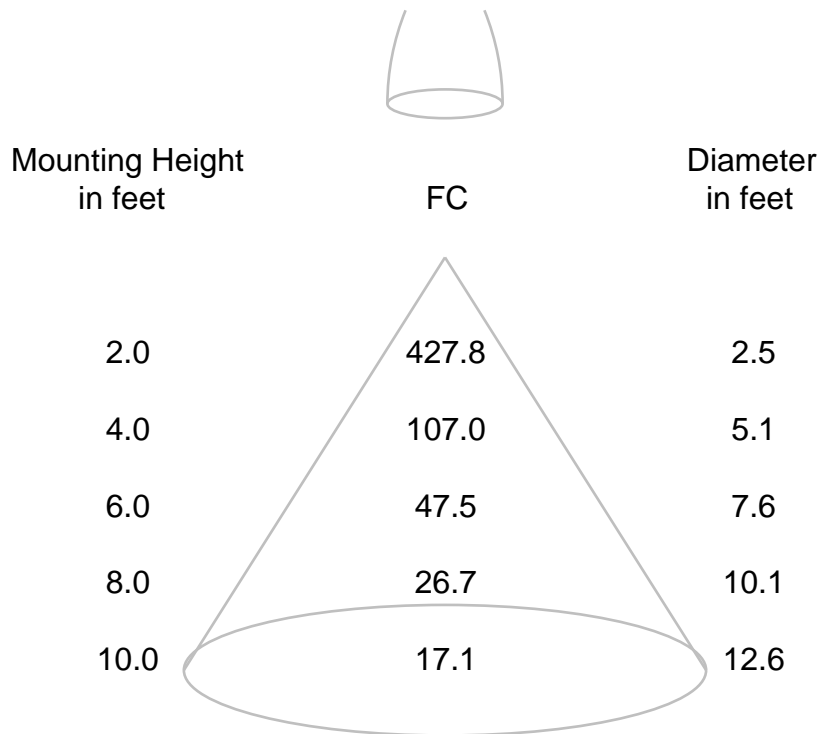
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.