

REPORT NUMBER: PRORATED FROM RAB03264

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X4-39YN/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.

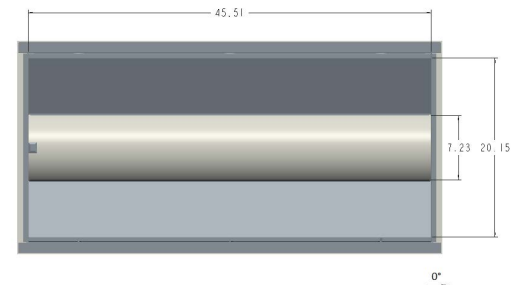
LAMPS: ONE HUNDRED AND FIFTY-FOUR LIGHT EMITTING DIODES (LEDS), VERTICAL  
BASE-UP POSITION.

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

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1614	1614	1614	1614	1614	
5	1588	1596	1616	1621	1620	153
15	1528	1539	1562	1571	1572	439
25	1411	1423	1450	1464	1471	666
35	1246	1263	1295	1318	1328	808
45	1044	1062	1099	1137	1150	848
55	816	837	886	938	955	792
65	573	598	661	709	728	647
75	322	363	416	480	509	442
85	97	133	178	204	208	174
90	7	14	9	6	2	

### FLUX



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1258	25.3
0- 40	2066	41.6
0- 60	3706	74.6
0- 90	4970	100.0
90-180	0	0.0
0-180	4970	100.0

TOTAL INPUT WATTS = 39.6

EFFICACY = 125.5 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

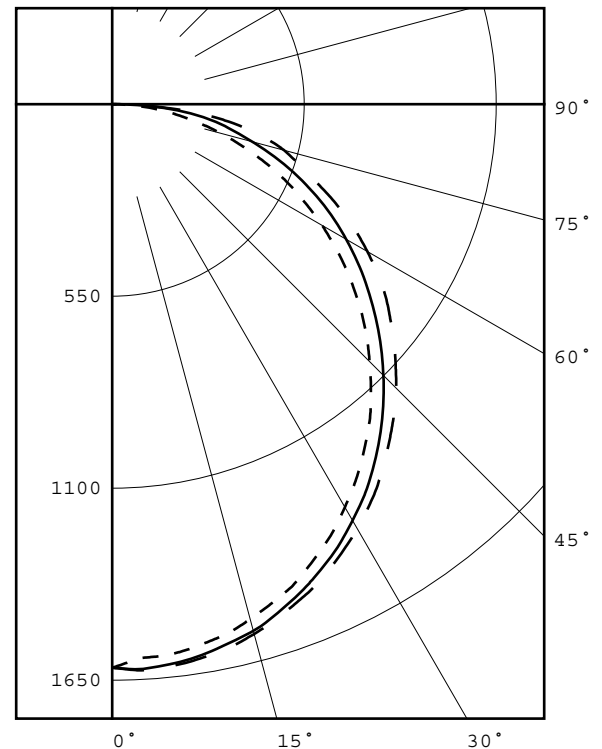
SPACING CRITERIA : 1.2 1.3

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	2494.	2627.	2748.
55	2405.	2609.	2813.
65	2290.	2641.	2909.
75	2103.	2714.	3325.
85	1881.	3448.	4030.



#### 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	1614	1614	1614	1614	1614
2.5	1592	1601	1620	1622	1624
5.0	1588	1596	1616	1621	1620
7.5	1580	1587	1607	1614	1614
10.0	1566	1573	1595	1603	1604
12.5	1551	1560	1579	1588	1590
15.0	1528	1539	1562	1571	1572
17.5	1504	1513	1538	1547	1551
20.0	1479	1486	1512	1523	1525
22.5	1447	1458	1483	1497	1501
25.0	1411	1423	1450	1464	1471
27.5	1375	1388	1417	1434	1439
30.0	1334	1350	1378	1400	1404
32.5	1291	1307	1338	1359	1367
35.0	1246	1263	1295	1318	1328
37.5	1200	1216	1248	1275	1284
40.0	1151	1167	1201	1232	1240
42.5	1097	1116	1150	1185	1196
45.0	1044	1062	1099	1137	1150
47.5	990	1008	1046	1088	1102
50.0	933	953	993	1038	1053
52.5	874	895	939	987	1004
55.0	816	837	886	938	955
57.5	755	777	830	883	901
60.0	694	717	775	828	844
62.5	632	657	718	769	788
65.0	573	598	661	709	728
67.5	510	542	600	646	665
70.0	447	482	540	588	606
72.5	383	421	478	532	557
75.0	322	363	416	480	509
77.5	262	304	360	426	450
80.0	206	241	308	363	382
82.5	150	185	247	290	305
85.0	97	133	178	204	208
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	114.
10- 15	187.
15- 20	252.
20- 25	310.
25- 30	357.
30- 35	392.
35- 40	415.
40- 45	425.
45- 50	423.
50- 55	409.
55- 60	383.
60- 65	347.
65- 70	301.
70- 75	249.
75- 80	193.
80- 85	128.
85- 90	46.

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	39
5- 10	114
10- 15	187
15- 20	252
20- 25	310
25- 30	357
30- 35	392
35- 40	415
40- 45	425
45- 50	423
50- 55	409
55- 60	383
60- 65	347
65- 70	301
70- 75	249
75- 80	193
80- 85	128
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	153
0- 20	592
0- 30	1258
0- 40	2066
0- 50	2914
0- 60	3706
0- 70	4353
0- 80	4795
0- 90	4969
0-100	4970
0-110	4970
0-120	4970
0-130	4970
0-140	4970
0-150	4970
0-160	4970
0-170	4970
0-180	4970

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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

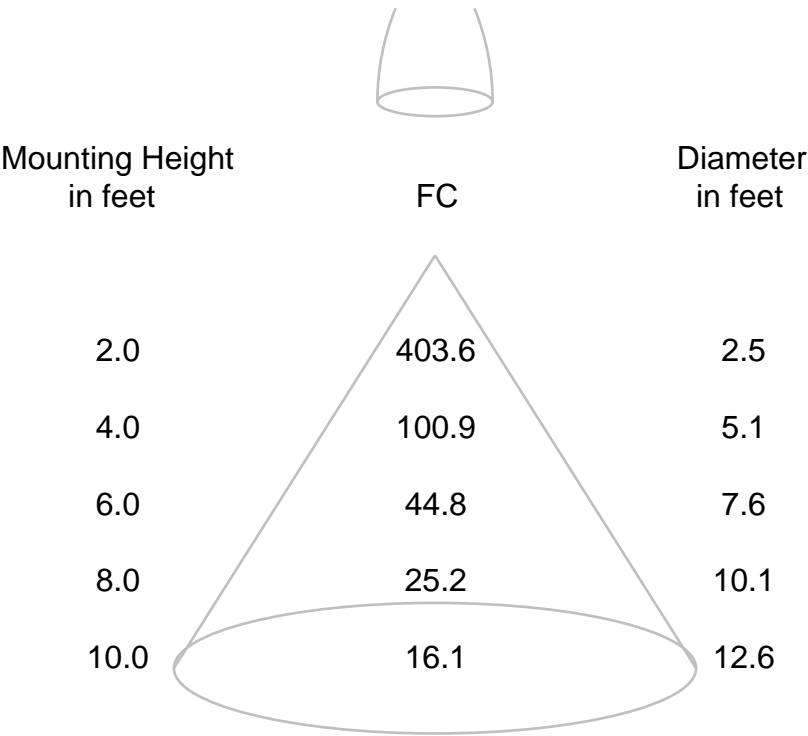
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.