

REPORT NUMBER: PRORATED FROM RAB03243

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X4-49N/D10

LUMINAIRE: WHITE PAINTED SHEET METAL HOUSING, 2 WHITE CIRCUIT BOARDS
EACH WITH 98 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.

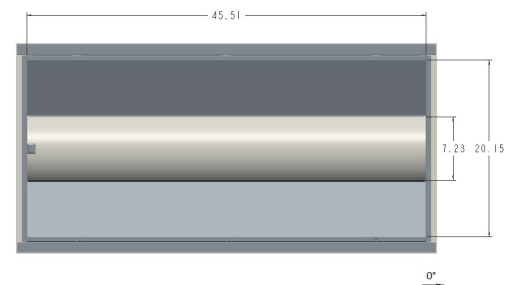
LAMPS: ONE HUNDRED AND NINETY-SIX LIGHT EMITTING DIODES (LEDS), VERTICAL
BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	2202	2202	2202	2202	2202	
5	2167	2178	2203	2211	2208	209
15	2080	2094	2126	2140	2145	598
25	1917	1932	1972	1995	2006	906
35	1684	1704	1755	1790	1809	1094
45	1402	1424	1486	1537	1564	1144
55	1088	1113	1191	1263	1295	1064
65	757	790	885	947	981	864
75	428	479	557	638	674	587
85	129	171	235	263	282	230
90	10	16	11	6	2	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1713	25.6
0- 40	2807	41.9
0- 60	5015	74.9
0- 90	6698	100.0
90-180	0	0.0
0-180	6698	100.0

TOTAL INPUT WATTS = 48.8

EFFICACY = 137.3 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

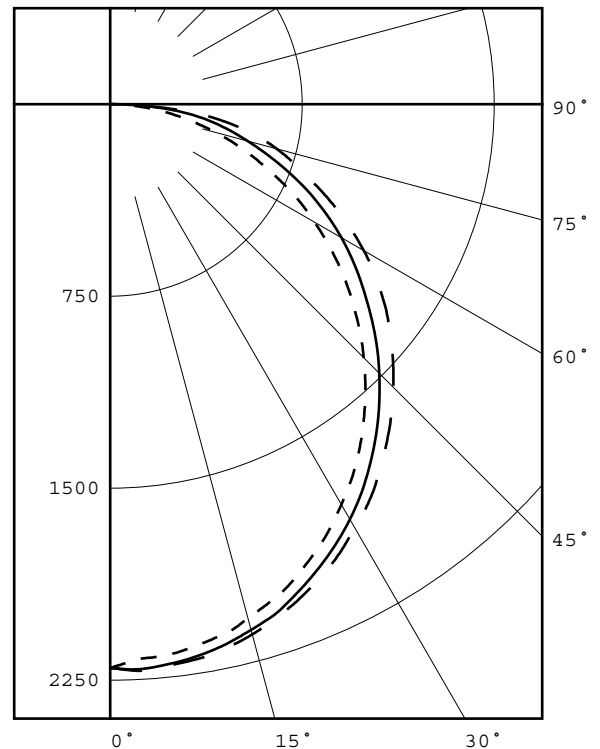
SPACING CRITERIA : 1.2 1.3

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	3349.	3551.	3738.
55	3206.	3509.	3815.
65	3025.	3538.	3920.
75	2797.	3636.	4403.
85	2492.	4556.	5458.



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 RAB03243 WHICH WAS
RTLED2X4-49NHC/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 48.8 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%) : 108.8 X 122.2 DEGREES
FIELD ANGLE (10%) : 163.4 X 171.8 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	2202	2202	2202	2202	2202
2.5	2174	2186	2211	2217	2216
5.0	2167	2178	2203	2211	2208
7.5	2154	2164	2192	2201	2200
10.0	2135	2146	2175	2186	2190
12.5	2114	2123	2153	2165	2169
15.0	2080	2094	2126	2140	2145
17.5	2047	2060	2099	2110	2115
20.0	2011	2023	2060	2077	2082
22.5	1965	1979	2017	2038	2046
25.0	1917	1932	1972	1995	2006
27.5	1864	1880	1926	1951	1961
30.0	1807	1825	1873	1902	1911
32.5	1748	1766	1818	1850	1864
35.0	1684	1704	1755	1790	1809
37.5	1618	1638	1693	1731	1749
40.0	1547	1568	1626	1668	1689
42.5	1475	1496	1557	1604	1628
45.0	1402	1424	1486	1537	1564
47.5	1326	1349	1415	1470	1500
50.0	1246	1272	1340	1402	1432
52.5	1169	1194	1266	1334	1366
55.0	1088	1113	1191	1263	1295
57.5	1005	1032	1119	1192	1222
60.0	923	954	1044	1113	1145
62.5	842	872	965	1033	1063
65.0	757	790	885	947	981
67.5	671	709	803	870	897
70.0	589	630	717	785	816
72.5	509	561	637	708	745
75.0	428	479	557	638	674
77.5	349	402	482	570	597
80.0	273	319	410	482	507
82.5	198	242	328	387	408
85.0	129	171	235	263	282
87.5	62	93	115	120	119
90.0	10	16	11	6	2

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ZONAL LUMEN SUMMARY

0- 5	53.
5- 10	156.
10- 15	254.
15- 20	344.
20- 25	421.
25- 30	485.
30- 35	532.
35- 40	562.
40- 45	574.
45- 50	570.
50- 55	550.
55- 60	515.
60- 65	464.
65- 70	400.
70- 75	331.
75- 80	257.
80- 85	170.
85- 90	60.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	53
5- 10	156
10- 15	254
15- 20	344
20- 25	421
25- 30	485
30- 35	532
35- 40	562
40- 45	574
45- 50	570
50- 55	550
55- 60	515
60- 65	464
65- 70	400
70- 75	331
75- 80	257
80- 85	170
85- 90	60
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	209
0- 20	807
0- 30	1713
0- 40	2807
0- 50	3951
0- 60	5015
0- 70	5880
0- 80	6467
0- 90	6697
0-100	6698
0-110	6698
0-120	6698
0-130	6698
0-140	6698
0-150	6698
0-160	6698
0-170	6698
0-180	6698

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

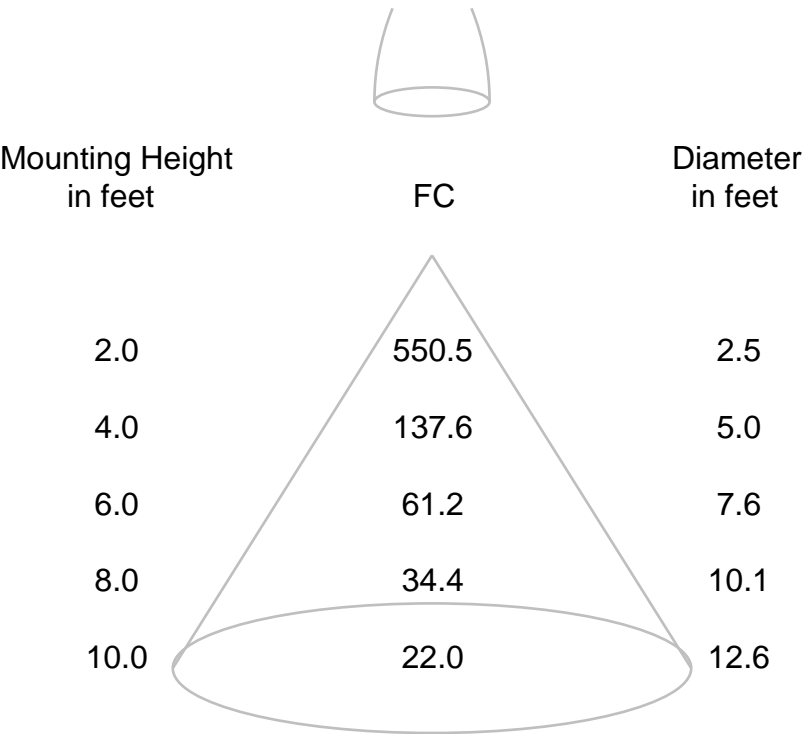
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

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	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	58	45	36	30	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

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.

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.