

REPORT NUMBER: PRORATED FROM RAB03239

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ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X2-29N/D10

LUMINAIRE: WHITE PAINTED SHEET METAL HOUSING, 2 WHITE CIRCUIT BOARDS
EACH WITH 60 LEDS, MATTE WHITE POLYCARBONATE LENS IN THE CENTER,
ROUGH SURFACE FACING OUT. FIXTURE WAS MOUNTED IN Lithonia Lighting
Model #2GT8 2 U316 A12 MVOLT GEB10IS HOUSING.

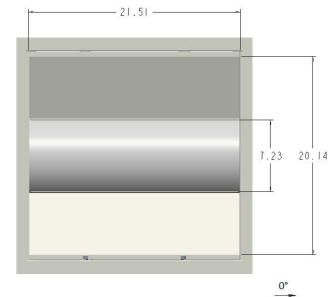
LAMP] ONE HUNDRED AND TWENTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1252	1252	1252	1252	1252	
5	1246	1243	1247	1249	1250	119
15	1196	1196	1203	1210	1213	340
25	1101	1103	1116	1127	1133	514
35	969	973	992	1013	1020	622
45	807	816	842	870	882	650
55	626	637	674	713	732	605
65	436	452	501	540	558	493
75	248	269	314	366	393	335
85	73	93	127	140	147	124
90	1	1	0	0	0	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	973	25.6
0- 40	1594	41.9
0- 60	2850	75.0
0- 90	3801	100.0
90-180	0	0.0
0-180	3801	100.0

TOTAL INPUT WATTS = 28.6

EFFICACY = 132.9 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

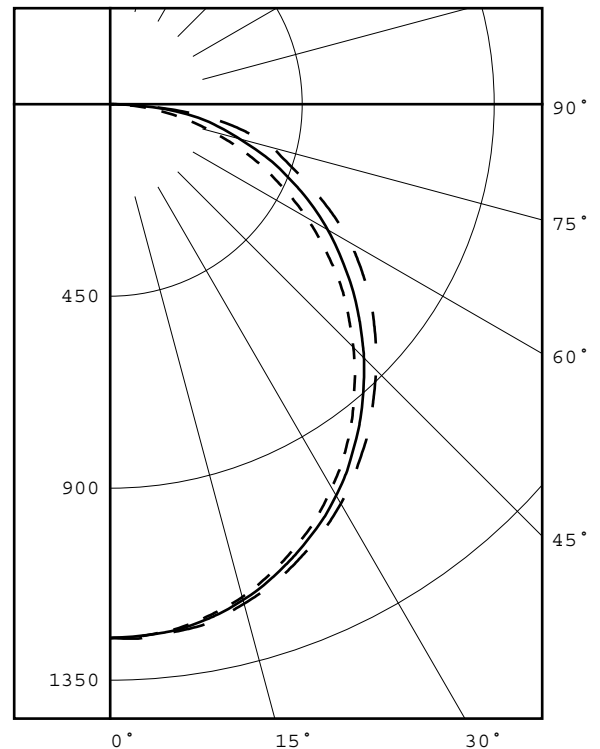
SPACING CRITERIA : 1.2 1.3

PLANE : 0-DEG 90-DEG

LUMINOUS LENGTH : 21.510 20.140

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4081.	4257.	4460.
55	3907.	4203.	4564.
65	3686.	4240.	4722.
75	3425.	4343.	5436.
85	2986.	5194.	6016.



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 RAB03239 WHICH WAS
RTLED2X2-29Y/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 28.6 W AT 277.0 VAC.
LED DRIVER: RDF25U7-32
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%) : 109.9 X 122.6 DEGREES
FIELD ANGLE (10%) : 163.7 X 171.1 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1252	1252	1252	1252	1252
2.5	1251	1248	1250	1254	1254
5.0	1246	1243	1247	1249	1250
7.5	1238	1238	1241	1245	1246
10.0	1227	1227	1232	1237	1240
12.5	1213	1213	1219	1226	1228
15.0	1196	1196	1203	1210	1213
17.5	1176	1177	1185	1193	1196
20.0	1153	1154	1163	1173	1177
22.5	1127	1130	1140	1151	1156
25.0	1101	1103	1116	1127	1133
27.5	1072	1075	1089	1103	1108
30.0	1039	1044	1060	1075	1081
32.5	1006	1011	1028	1045	1053
35.0	969	973	992	1013	1020
37.5	931	938	958	980	987
40.0	889	898	920	942	952
42.5	849	857	881	908	917
45.0	807	816	842	870	882
47.5	763	773	799	831	846
50.0	720	729	758	792	809
52.5	675	683	717	753	772
55.0	626	637	674	713	732
57.5	579	592	632	673	692
60.0	533	546	590	632	651
62.5	484	499	545	586	604
65.0	436	452	501	540	558
67.5	391	410	455	491	510
70.0	343	363	411	444	465
72.5	294	315	362	405	426
75.0	248	269	314	366	393
77.5	203	223	272	325	346
80.0	158	177	232	273	292
82.5	114	133	184	213	227
85.0	73	93	127	140	147
87.5	33	44	56	52	52
90.0	1	1	0	0	0

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ZONAL LUMEN SUMMARY

0- 5	30.
5- 10	89.
10- 15	144.
15- 20	195.
20- 25	239.
25- 30	275.
30- 35	302.
35- 40	319.
40- 45	326.
45- 50	324.
50- 55	312.
55- 60	292.
60- 65	264.
65- 70	229.
70- 75	189.
75- 80	146.
80- 85	94.
85- 90	29.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	30
5- 10	89
10- 15	144
15- 20	195
20- 25	239
25- 30	275
30- 35	302
35- 40	319
40- 45	326
45- 50	324
50- 55	312
55- 60	292
60- 65	264
65- 70	229
70- 75	189
75- 80	146
80- 85	94
85- 90	29
90- 95	0
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	119
0- 20	458
0- 30	973
0- 40	1594
0- 50	2245
0- 60	2850
0- 70	3342
0- 80	3677
0- 90	3801
0-100	3801
0-110	3801
0-120	3801
0-130	3801
0-140	3801
0-150	3801
0-160	3801
0-170	3801
0-180	3801

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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	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	98	89	81	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56
4	81	68	59	52	79	67	59	52	65	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	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	28	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

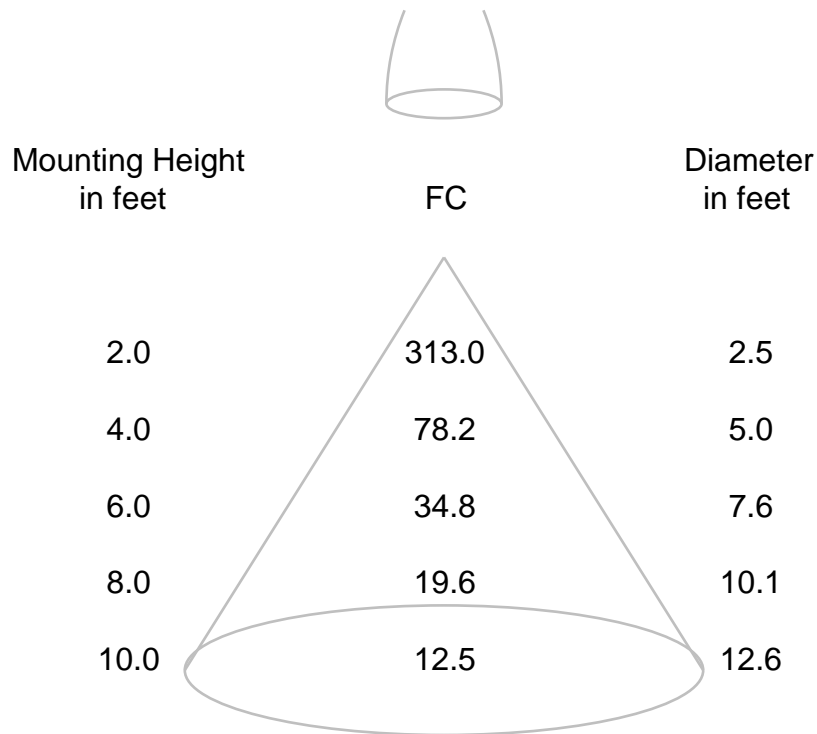
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.