

REPORT NUMBER: PRORATED FROM RAB03239

PAGE: 1 OF 8

ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X2-29/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.

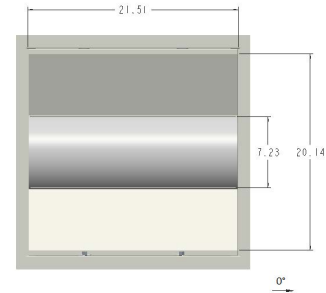
LAMP] ONE HUNDRED AND TWENTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1267	1267	1267	1267	1267	
5	1261	1258	1262	1264	1265	120
15	1210	1210	1218	1224	1228	344
25	1114	1117	1129	1141	1146	521
35	981	985	1004	1025	1032	629
45	817	826	852	881	892	658
55	634	645	682	722	741	612
65	441	458	507	547	565	499
75	251	272	318	370	398	339
85	74	94	128	142	148	125
90	1	1	0	0	0	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	984	25.6
0- 40	1614	41.9
0- 60	2884	75.0
0- 90	3847	100.0
90-180	0	0.0
0-180	3847	100.0

TOTAL INPUT WATTS = 29

EFFICACY = 132.7 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

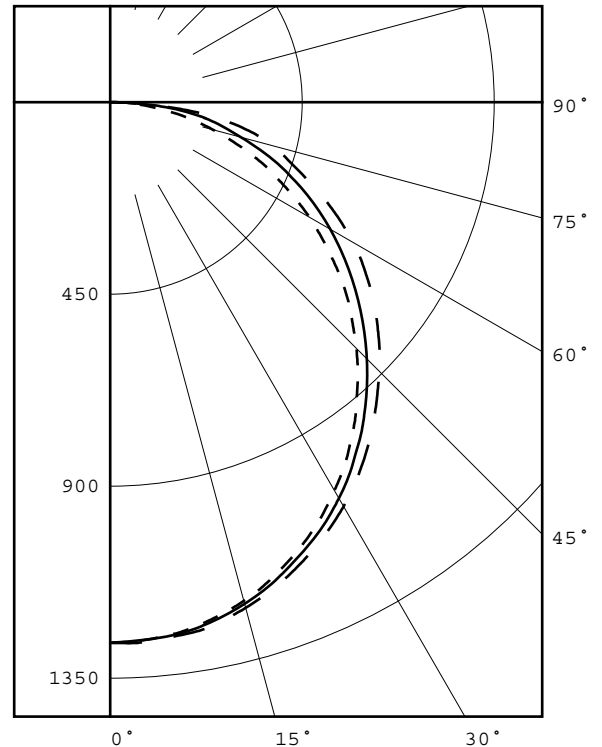
SPACING CRITERIA : 1.2 1.3

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	4130.	4308.	4514.
55	3954.	4253.	4619.
65	3731.	4291.	4779.
75	3466.	4396.	5502.
85	3022.	5256.	6089.



LEGEND:

0-deg: - - - - -
45-deg: _____
90-deg: - - - - -

Checked P. ALBERS
Approved D. WANG-MUNSON

REPORT NUMBER: PRORATED FROM RAB03239
ISSUE DATE: 05/09/17
CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 2 OF 8

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB03239 WHICH WAS
RTLED2X2-29Y/D10. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 29.0 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

REPORT NUMBER: PRORATED FROM RAB03239
ISSUE DATE: 05/09/17
CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 3 OF 8

PLANE : 0-DEG 90-DEG
BEAM ANGLE (50%) : 109.9 X 122.6 DEGREES
FIELD ANGLE (10%) : 163.7 X 171.1 DEGREES

REPORT NUMBER: PRORATED FROM RAB03239
 ISSUE DATE: 05/09/17
 CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 4 OF 8

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1267	1267	1267	1267	1267
2.5	1266	1263	1265	1269	1269
5.0	1261	1258	1262	1264	1265
7.5	1253	1253	1256	1260	1261
10.0	1241	1241	1247	1252	1255
12.5	1228	1228	1234	1240	1242
15.0	1210	1210	1218	1224	1228
17.5	1190	1191	1200	1207	1210
20.0	1167	1168	1177	1187	1191
22.5	1141	1143	1154	1165	1170
25.0	1114	1117	1129	1141	1146
27.5	1084	1088	1103	1117	1122
30.0	1051	1057	1073	1088	1094
32.5	1018	1024	1041	1058	1065
35.0	981	985	1004	1025	1032
37.5	943	949	969	992	999
40.0	900	908	931	953	964
42.5	859	868	891	919	928
45.0	817	826	852	881	892
47.5	772	782	809	841	856
50.0	729	738	767	802	819
52.5	683	692	726	762	781
55.0	634	645	682	722	741
57.5	586	599	639	681	700
60.0	539	553	597	639	659
62.5	490	505	552	593	612
65.0	441	458	507	547	565
67.5	396	415	460	497	517
70.0	347	367	416	449	471
72.5	298	319	366	410	431
75.0	251	272	318	370	398
77.5	205	225	275	329	350
80.0	160	179	235	276	296
82.5	115	134	186	216	229
85.0	74	94	128	142	148
87.5	33	45	57	52	52
90.0	1	1	0	0	0

REPORT NUMBER: PRORATED FROM RAB03239
ISSUE DATE: 05/09/17
CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	30.
5- 10	90.
10- 15	146.
15- 20	197.
20- 25	242.
25- 30	279.
30- 35	306.
35- 40	323.
40- 45	330.
45- 50	328.
50- 55	316.
55- 60	296.
60- 65	267.
65- 70	231.
70- 75	191.
75- 80	148.
80- 85	95.
85- 90	30.

REPORT NUMBER: PRORATED FROM RAB03239
 ISSUE DATE: 05/09/17
 CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	30
5- 10	90
10- 15	146
15- 20	197
20- 25	242
25- 30	279
30- 35	306
35- 40	323
40- 45	330
45- 50	328
50- 55	316
55- 60	296
60- 65	267
65- 70	231
70- 75	191
75- 80	148
80- 85	95
85- 90	30
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	120
0- 20	464
0- 30	984
0- 40	1614
0- 50	2272
0- 60	2884
0- 70	3383
0- 80	3721
0- 90	3847
0-100	3847
0-110	3847
0-120	3847
0-130	3847
0-140	3847
0-150	3847
0-160	3847
0-170	3847
0-180	3847

REPORT NUMBER: PRORATED FROM RAB03239
ISSUE DATE: 05/09/17

PAGE: 7 OF 8

CATALOG NUMBER: RTLED2X2-29/D10

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

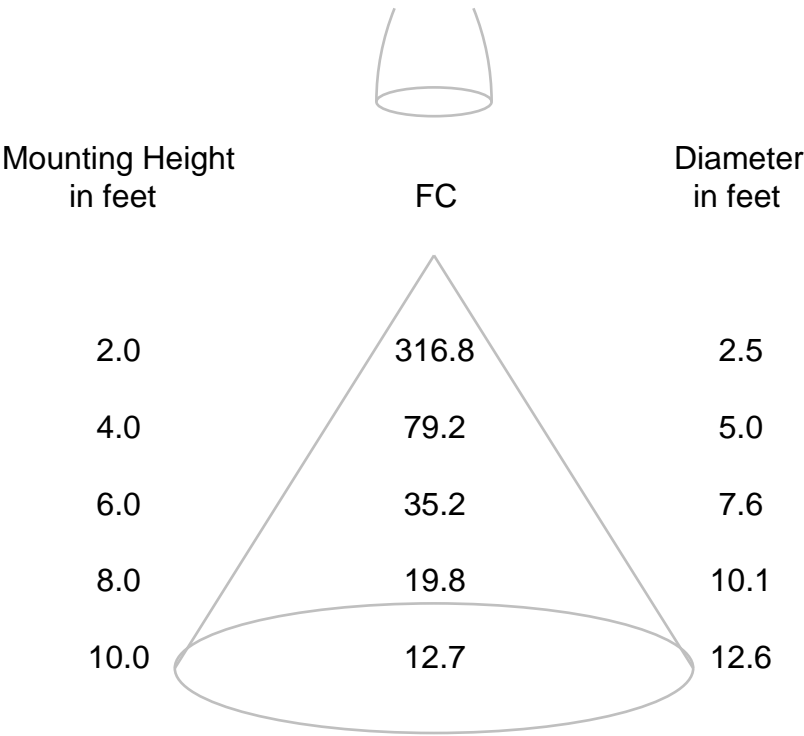
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

REPORT NUMBER: PRORATED FROM RAB03239
ISSUE DATE: 05/09/17
CATALOG NUMBER: RTLED2X2-29/D10

PAGE: 8 OF 8

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.