

REPORT NUMBER: PRORATED FROM RAB03239

PAGE: 1 OF 8

ISSUE DATE: 05/09/17

CATALOG NUMBER: RTLED2X2-29NHC/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.

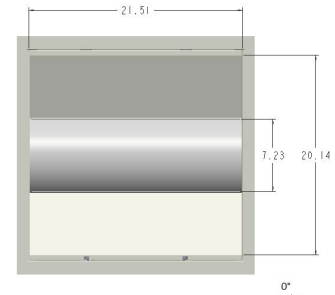
LAMP] ONE HUNDRED AND TWENTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	
0	1023	1023	1023	1023	1023	
5	1018	1016	1018	1020	1021	97
15	977	977	983	988	991	277
25	900	901	912	921	925	420
35	792	795	811	827	833	508
45	659	667	688	711	720	531
55	512	520	551	582	598	494
65	356	370	409	441	456	403
75	202	220	257	299	321	273
85	59	76	103	115	120	101
90	1	1	0	0	0	

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	795	25.6
0- 40	1302	41.9
0- 60	2328	75.0
0- 90	3105	100.0
90-180	0	0.0
0-180	3105	100.0

TOTAL INPUT WATTS = 28.9

EFFICACY = 107.4 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

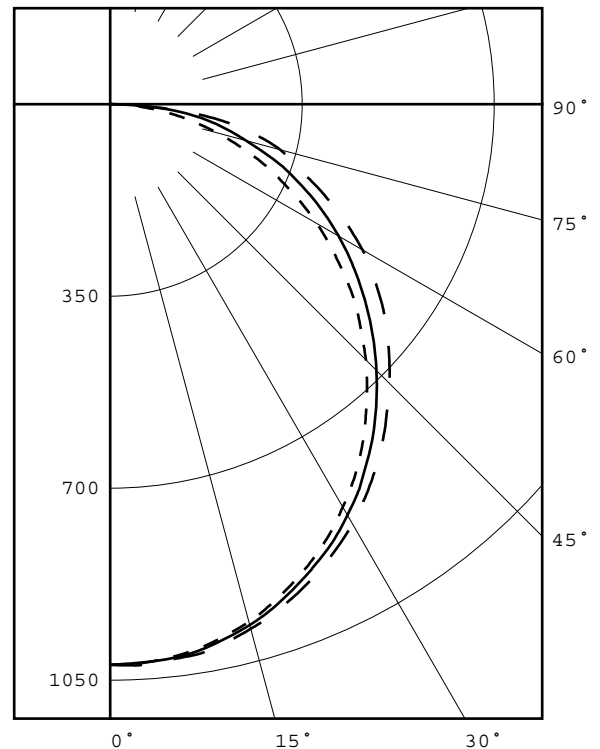
SPACING CRITERIA : 1.2 1.3

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	3334.	3478.	3643.
55	3191.	3433.	3729.
65	3011.	3464.	3857.
75	2798.	3548.	4441.
85	2440.	4243.	4915.



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: RTLED2X2-29NHC/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 = 28.9 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: RTLED2X2-29NHC/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: RTLED2X2-29NHC/D10

PAGE: 4 OF 8

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1023	1023	1023	1023	1023
2.5	1022	1019	1021	1024	1024
5.0	1018	1016	1018	1020	1021
7.5	1012	1012	1014	1017	1018
10.0	1002	1002	1006	1011	1013
12.5	991	991	996	1001	1003
15.0	977	977	983	988	991
17.5	961	962	968	974	977
20.0	942	943	950	958	962
22.5	921	923	931	940	944
25.0	900	901	912	921	925
27.5	875	878	890	901	906
30.0	849	853	866	878	883
32.5	822	826	840	854	860
35.0	792	795	811	827	833
37.5	761	766	782	800	806
40.0	726	733	751	769	778
42.5	694	700	719	742	749
45.0	659	667	688	711	720
47.5	623	632	653	679	691
50.0	588	595	619	647	661
52.5	551	558	586	615	631
55.0	512	520	551	582	598
57.5	473	483	516	550	565
60.0	435	446	482	516	532
62.5	395	408	445	479	494
65.0	356	370	409	441	456
67.5	320	335	371	402	417
70.0	280	296	336	363	380
72.5	240	258	296	331	348
75.0	202	220	257	299	321
77.5	165	182	222	265	283
80.0	129	145	190	223	239
82.5	93	109	150	174	185
85.0	59	76	103	115	120
87.5	27	36	46	42	42
90.0	1	1	0	0	0

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

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	24.
5- 10	72.
10- 15	118.
15- 20	159.
20- 25	195.
25- 30	225.
30- 35	247.
35- 40	261.
40- 45	267.
45- 50	265.
50- 55	255.
55- 60	239.
60- 65	216.
65- 70	187.
70- 75	154.
75- 80	119.
80- 85	77.
85- 90	24.

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

PAGE: 6 OF 8

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	24
5- 10	72
10- 15	118
15- 20	159
20- 25	195
25- 30	225
30- 35	247
35- 40	261
40- 45	267
45- 50	265
50- 55	255
55- 60	239
60- 65	216
65- 70	187
70- 75	154
75- 80	119
80- 85	77
85- 90	24
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	97
0- 20	374
0- 30	795
0- 40	1302
0- 50	1834
0- 60	2328
0- 70	2731
0- 80	3004
0- 90	3105
0-100	3105
0-110	3105
0-120	3105
0-130	3105
0-140	3105
0-150	3105
0-160	3105
0-170	3105
0-180	3105

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

PAGE: 7 OF 8

CATALOG NUMBER: RTLED2X2-29NHC/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

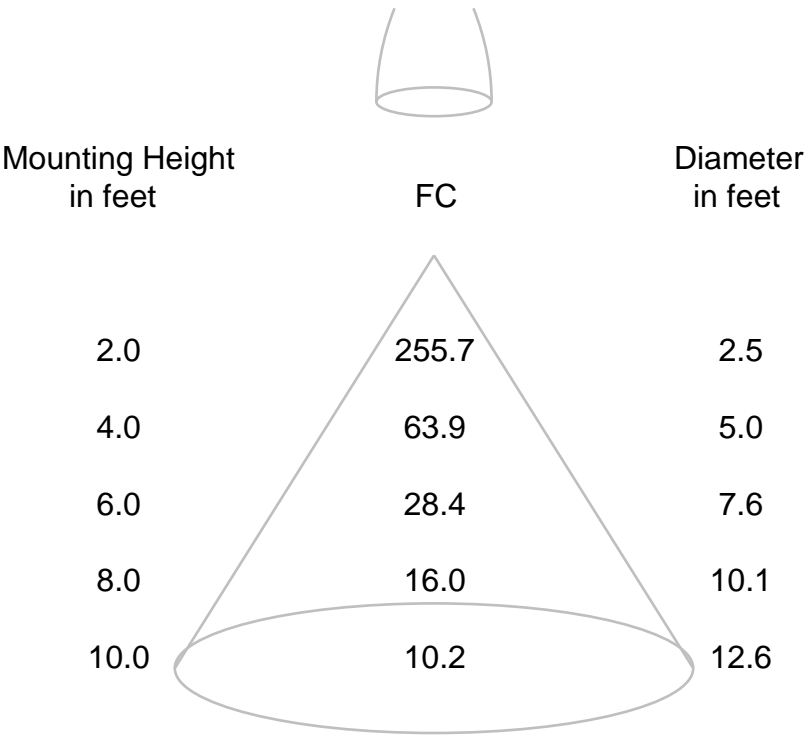
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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