

REPORT NUMBER: PRORATED FROM RAB03317

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ISSUE DATE: 05/11/17

CATALOG NUMBER: RTLED1X4-29N/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 FLECO TFX131A232MV  
UL E43814 HOUSING.

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

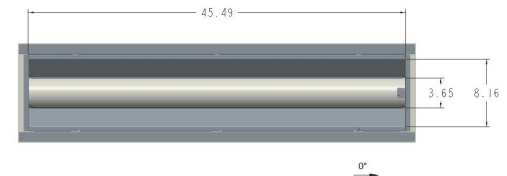
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

## CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1342	1342	1342	1342	1342
5	1317	1324	1343	1349	1347
15	1262	1272	1296	1306	1311
25	1154	1167	1201	1220	1229
35	1003	1022	1069	1099	1112
45	823	848	903	936	950
55	630	663	709	749	765
65	436	471	509	568	590
75	239	266	338	382	392
85	70	100	111	104	99
90	4	1	1	1	1

## FLUX

127
364
551
664
690
630
511
342
112



## ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1042	26.1
0- 40	1706	42.8
0- 60	3026	75.8
0- 90	3991	100.0
90-180	0	0.0
0-180	3991	100.0

TOTAL INPUT WATTS = 29

EFFICACY = 137.6 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

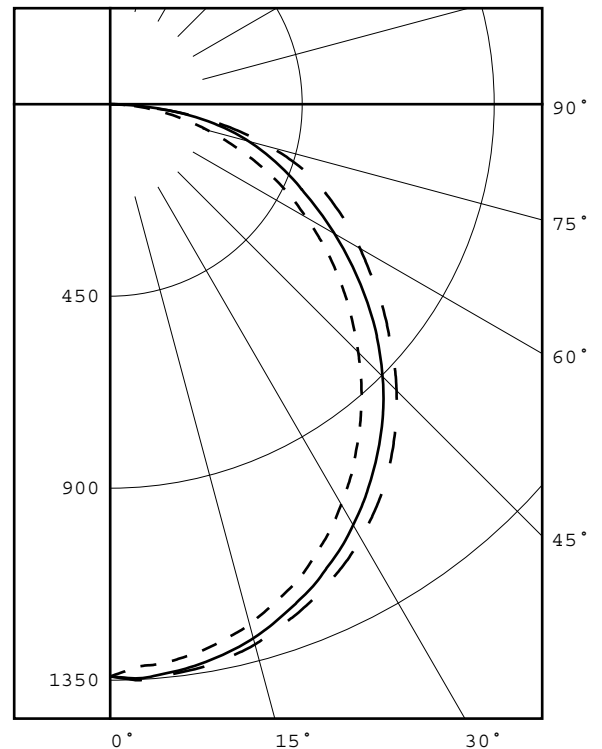
SPACING CRITERIA : 1.2 1.3

PLANE : 0-DEG 90-DEG

LUMINOUS LENGTH : 45.490 8.160

## LUMINANCE DATA IN CANDELA/SQ METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4856.	5333.	5608.
55	4588.	5158.	5568.
65	4304.	5030.	5828.
75	3850.	5449.	6318.
85	3342.	5335.	4749.



### 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 RAB03317 WHICH WAS  
RTLED1X4-29NHC/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

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PLANE : 0-DEG 90-DEG  
BEAM ANGLE (50%) : 105.3 X 120.1 DEGREES  
FIELD ANGLE (10%) : 161.7 X 167.8 DEGREES

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### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	1342	1342	1342	1342	1342
2.5	1322	1328	1348	1351	1351
5.0	1317	1324	1343	1349	1347
7.5	1309	1316	1336	1343	1342
10.0	1296	1305	1326	1334	1336
12.5	1280	1289	1312	1321	1324
15.0	1262	1272	1296	1306	1311
17.5	1239	1250	1276	1289	1291
20.0	1214	1225	1252	1269	1273
22.5	1187	1198	1229	1246	1252
25.0	1154	1167	1201	1220	1229
27.5	1121	1135	1173	1195	1205
30.0	1083	1099	1140	1165	1175
32.5	1045	1061	1105	1134	1145
35.0	1003	1022	1069	1099	1112
37.5	961	981	1031	1063	1075
40.0	917	938	990	1023	1034
42.5	870	895	949	982	994
45.0	823	848	903	936	950
47.5	775	805	857	891	905
50.0	727	760	809	843	856
52.5	678	712	759	797	812
55.0	630	663	709	749	765
57.5	580	616	657	700	719
60.0	530	566	607	656	677
62.5	485	517	558	612	634
65.0	436	471	509	568	590
67.5	384	419	468	525	547
70.0	334	366	424	486	504
72.5	285	315	381	438	452
75.0	239	266	338	382	392
77.5	193	223	289	323	327
80.0	149	182	236	257	260
82.5	108	144	176	184	182
85.0	70	100	111	104	99
87.5	33	50	39	29	26
90.0	4	1	1	1	1

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## ZONAL LUMEN SUMMARY

0- 5	32.
5- 10	95.
10- 15	155.
15- 20	209.
20- 25	256.
25- 30	295.
30- 35	323.
35- 40	341.
40- 45	347.
45- 50	342.
50- 55	327.
55- 60	303.
60- 65	273.
65- 70	238.
70- 75	196.
75- 80	146.
80- 85	88.
85- 90	24.

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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	32
5- 10	95
10- 15	155
15- 20	209
20- 25	256
25- 30	295
30- 35	323
35- 40	341
40- 45	347
45- 50	342
50- 55	327
55- 60	303
60- 65	273
65- 70	238
70- 75	196
75- 80	146
80- 85	88
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	127
0- 20	491
0- 30	1042
0- 40	1706
0- 50	2396
0- 60	3026
0- 70	3537
0- 80	3879
0- 90	3991
0-100	3991
0-110	3991
0-120	3991
0-130	3991
0-140	3991
0-150	3991
0-160	3991
0-170	3991
0-180	3991

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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	101	96	93	96	93	90	92	90	87	89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	40	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

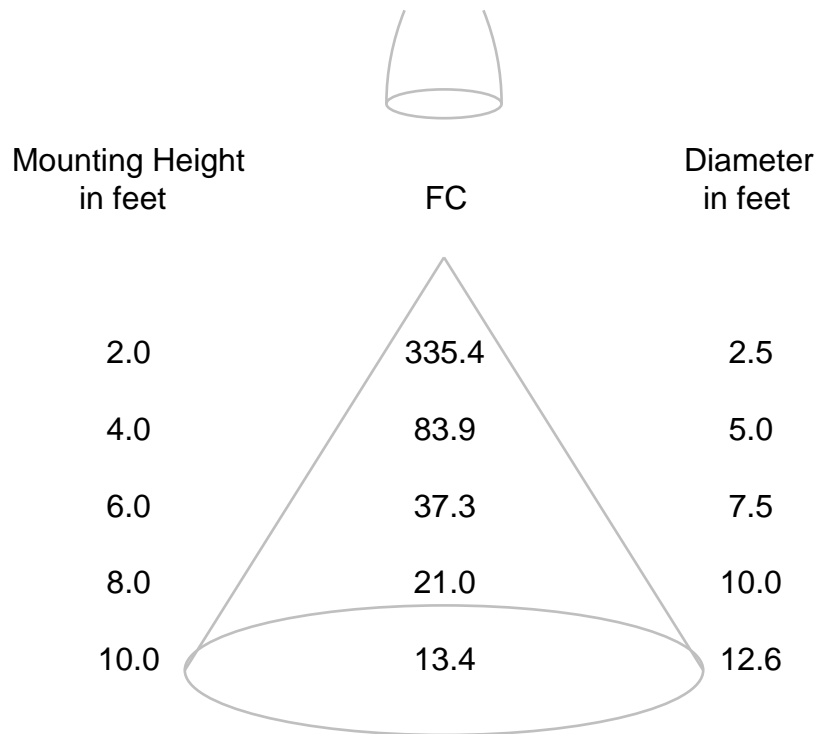
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.