

REPORT NUMBER: PRORATED FROM RAB03317

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ISSUE DATE: 05/11/17

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

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

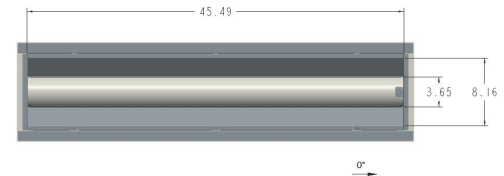
\*(SEE PAGE 2 FOR MORE INFORMATION)\*

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1358	1358	1358	1358	1358
5	1333	1340	1359	1365	1363
15	1277	1287	1312	1322	1327
25	1168	1180	1215	1235	1244
35	1014	1034	1081	1112	1125
45	832	858	914	948	961
55	638	671	717	758	774
65	441	477	515	575	597
75	242	269	342	386	396
85	71	102	113	105	100
90	4	1	1	1	1

### FLUX

129
368
558
672
698
638
517
346
113



### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1054	26.1
0- 40	1727	42.8
0- 60	3063	75.8
0- 90	4038	100.0
90-180	0	0.0
0-180	4038	100.0

TOTAL INPUT WATTS = 29.5

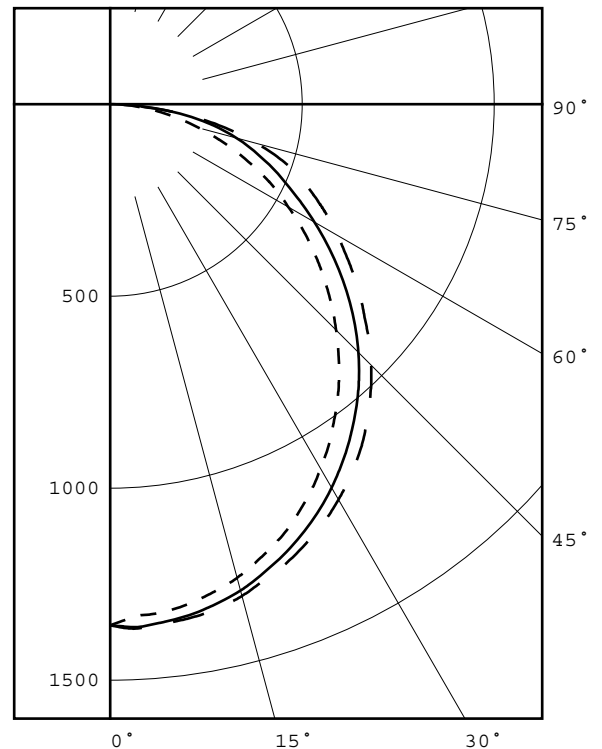
EFFICACY = 136.9 Lm/W

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	4914.	5396.	5674.
55	4642.	5219.	5634.
65	4355.	5090.	5897.
75	3896.	5514.	6393.
85	3382.	5399.	4805.



#### 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 = 29.5 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	1358	1358	1358	1358	1358
2.5	1338	1344	1364	1368	1368
5.0	1333	1340	1359	1365	1363
7.5	1324	1332	1351	1359	1358
10.0	1312	1320	1342	1350	1351
12.5	1296	1304	1328	1337	1340
15.0	1277	1287	1312	1322	1327
17.5	1254	1265	1291	1304	1307
20.0	1229	1240	1267	1285	1288
22.5	1202	1213	1244	1261	1267
25.0	1168	1180	1215	1235	1244
27.5	1135	1148	1187	1209	1219
30.0	1096	1112	1153	1179	1189
32.5	1058	1074	1119	1147	1158
35.0	1014	1034	1081	1112	1125
37.5	972	992	1043	1075	1088
40.0	928	949	1002	1036	1047
42.5	881	905	960	993	1006
45.0	832	858	914	948	961
47.5	784	815	867	902	915
50.0	736	769	819	853	866
52.5	686	721	768	806	821
55.0	638	671	717	758	774
57.5	587	623	665	709	727
60.0	536	572	614	664	685
62.5	491	523	565	619	642
65.0	441	477	515	575	597
67.5	389	424	473	531	554
70.0	338	370	429	492	510
72.5	289	318	385	443	457
75.0	242	269	342	386	396
77.5	196	225	292	327	331
80.0	151	185	239	260	263
82.5	109	146	178	186	185
85.0	71	102	113	105	100
87.5	33	51	40	30	26
90.0	4	1	1	1	1

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## ZONAL LUMEN SUMMARY

0- 5	32.
5- 10	96.
10- 15	157.
15- 20	212.
20- 25	259.
25- 30	298.
30- 35	327.
35- 40	345.
40- 45	351.
45- 50	347.
50- 55	331.
55- 60	307.
60- 65	276.
65- 70	240.
70- 75	198.
75- 80	148.
80- 85	89.
85- 90	24.

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	32
5- 10	96
10- 15	157
15- 20	212
20- 25	259
25- 30	298
30- 35	327
35- 40	345
40- 45	351
45- 50	347
50- 55	331
55- 60	307
60- 65	276
65- 70	240
70- 75	198
75- 80	148
80- 85	89
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	129
0- 20	497
0- 30	1054
0- 40	1727
0- 50	2425
0- 60	3063
0- 70	3579
0- 80	3925
0- 90	4038
0-100	4038
0-110	4038
0-120	4038
0-130	4038
0-140	4038
0-150	4038
0-160	4038
0-170	4038
0-180	4038

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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

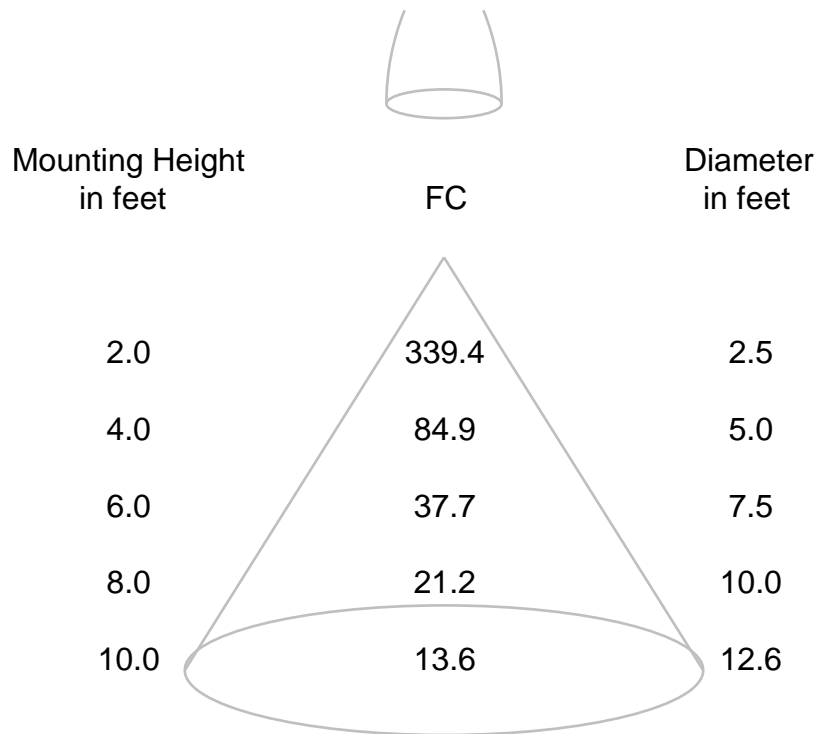
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.