

REPORT NUMBER: PRORATED FROM RAB03313

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ISSUE DATE: 05/11/17

CATALOG NUMBER: RTLED1X4-19N/D10

LUMINAIRE: WHITE PAINTED SHEET METAL HOUSING, 2 WHITE CIRCUIT BOARDS
EACH WITH 40 LEDS, MATTE WHITE POLYCARBONATE LENS IN THE CENTER,
ROUGH SURFACE FACING OUT. FIXTURE WAS MOUNTED IN FLECO
TXF131A232MV UL E43814 HOUSING.

LAMPS: EIGHTY LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

NOTE: THIS REPORT WAS PRORATED FROM RAB03313 WHICH WAS

RTLED1X4-19YN/D10. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 19.0 W AT 277.0 VAC.

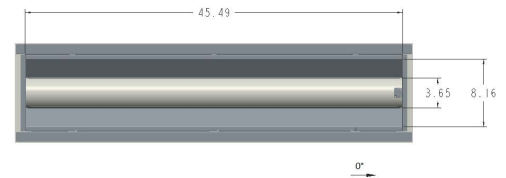
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	900	900	900	900	900
5	884	888	901	905	904
15	848	854	870	878	880
25	776	784	808	821	828
35	675	688	721	741	752
45	553	572	609	633	642
55	424	446	479	506	519
65	291	316	350	389	406
75	160	179	231	261	275
85	47	69	84	79	81
90	4	4	2	1	1

FLUX

85
244
371
448
465
426
347
234
81



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	700	25.9
0- 40	1148	42.5
0- 60	2039	75.5
0- 90	2701	100.0
90-180	0	0.0
0-180	2701	100.0

TOTAL INPUT WATTS = 19

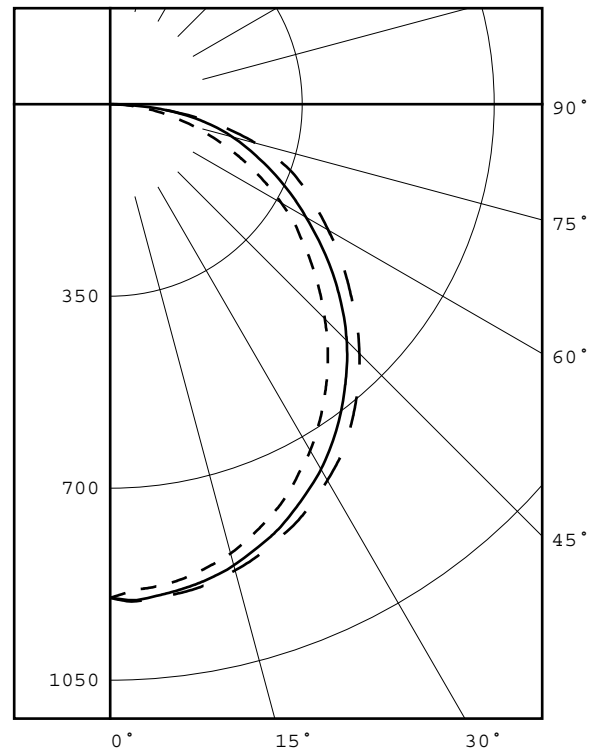
EFFICACY = 142.2 Lm/W

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	3266.	3598.	3792.
55	3086.	3487.	3780.
65	2879.	3455.	4010.
75	2581.	3727.	4428.
85	2234.	4011.	3858.



LEGEND:

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

Checked P.ALBERS
Approved D.WANG-MUNSON

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ADDITIONAL INFORMATION

LED DRIVER: RDF25U7-39
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%) : 105.4 X 120.8 DEGREES
FIELD ANGLE (10%) : 161.8 X 169.0 DEGREES

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	900	900	900	900	900
2.5	888	893	905	908	907
5.0	884	888	901	905	904
7.5	879	883	896	901	901
10.0	870	876	889	896	897
12.5	860	866	881	888	889
15.0	848	854	870	878	880
17.5	832	838	856	866	869
20.0	815	823	843	853	855
22.5	797	805	827	837	843
25.0	776	784	808	821	828
27.5	752	762	789	803	810
30.0	729	740	768	784	792
32.5	703	714	745	764	773
35.0	675	688	721	741	752
37.5	647	659	694	717	725
40.0	617	631	667	690	699
42.5	586	601	639	661	672
45.0	553	572	609	633	642
47.5	522	542	579	601	613
50.0	489	510	546	568	580
52.5	457	479	513	537	549
55.0	424	446	479	506	519
57.5	395	416	445	474	490
60.0	360	385	412	443	459
62.5	326	351	382	416	430
65.0	291	316	350	389	406
67.5	259	281	319	360	376
70.0	225	247	288	331	348
72.5	192	212	260	300	312
75.0	160	179	231	261	275
77.5	129	151	200	222	231
80.0	101	124	165	179	184
82.5	73	98	127	131	134
85.0	47	69	84	79	81
87.5	23	38	36	29	28
90.0	4	4	2	1	1

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ZONAL LUMEN SUMMARY

0- 5	22.
5- 10	64.
10- 15	104.
15- 20	140.
20- 25	172.
25- 30	198.
30- 35	218.
35- 40	230.
40- 45	234.
45- 50	231.
50- 55	221.
55- 60	205.
60- 65	185.
65- 70	162.
70- 75	133.
75- 80	100.
80- 85	62.
85- 90	19.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	22
5- 10	64
10- 15	104
15- 20	140
20- 25	172
25- 30	198
30- 35	218
35- 40	230
40- 45	234
45- 50	231
50- 55	221
55- 60	205
60- 65	185
65- 70	162
70- 75	133
75- 80	100
80- 85	62
85- 90	19
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	85
0- 20	330
0- 30	700
0- 40	1148
0- 50	1613
0- 60	2039
0- 70	2386
0- 80	2620
0- 90	2701
0-100	2701
0-110	2701
0-120	2701
0-130	2701
0-140	2701
0-150	2701
0-160	2701
0-170	2701
0-180	2701

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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	93	90	92	89	87	89	86	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	75	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	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

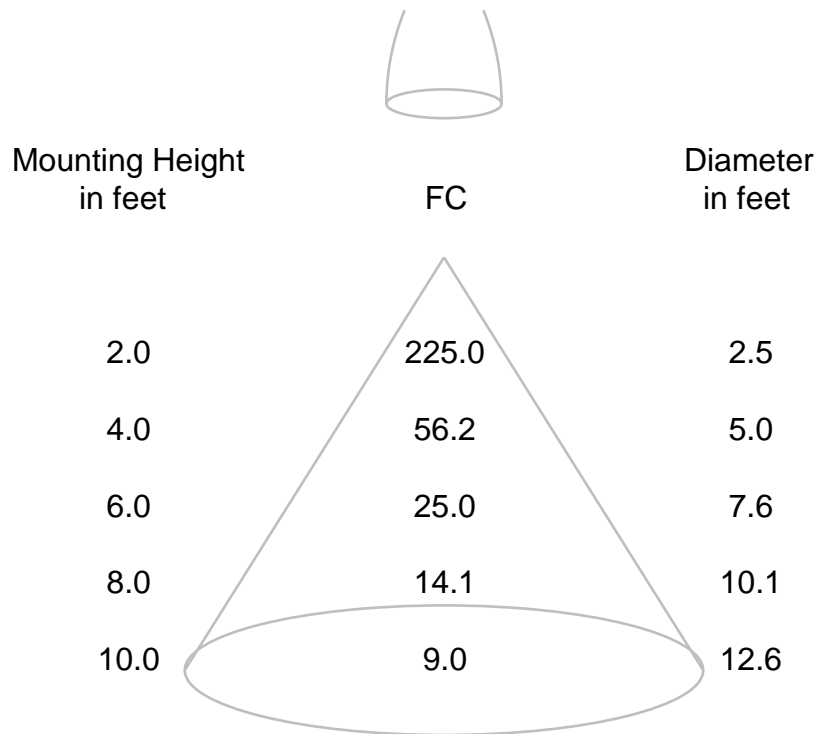
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.