

REPORT NUMBER: PRORATED FROM RAB03313

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ISSUE DATE: 05/11/17

CATALOG NUMBER: RTLED1X4-19/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 = 19.3 W AT 277.0 VAC.

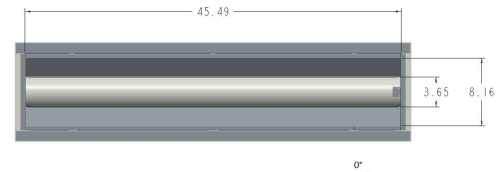
(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	911	911	911	911	911
5	894	899	912	916	915
15	858	864	881	888	890
25	785	794	817	831	838
35	683	696	729	750	760
45	560	579	617	640	650
55	429	452	485	512	526
65	295	320	354	394	411
75	162	181	234	264	278
85	47	70	85	80	82
90	4	4	2	1	1

FLUX

86
247
375
453
470
431
351
237
82



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	708	25.9
0- 40	1161	42.5
0- 60	2063	75.5
0- 90	2733	100.0
90-180	0	0.0
0-180	2733	100.0

TOTAL INPUT WATTS = 19.3

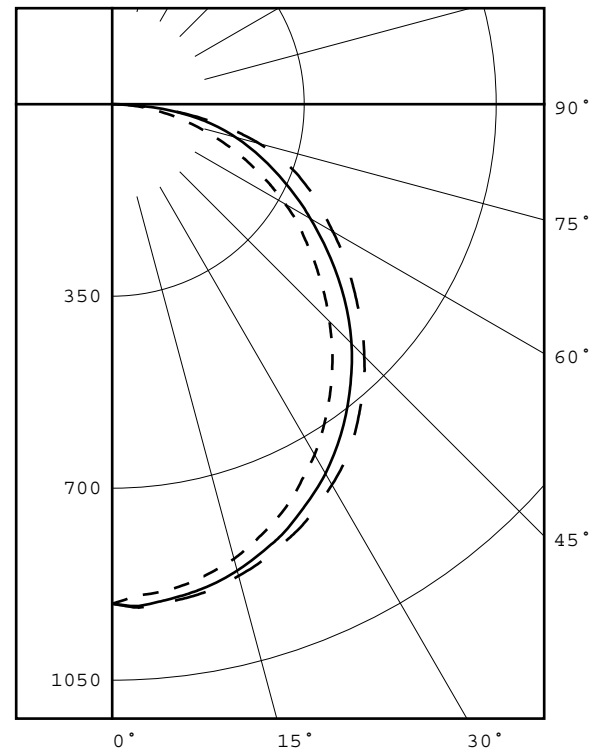
EFFICACY = 141.6 Lm/W

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	3305.	3640.	3837.
55	3122.	3528.	3824.
65	2913.	3496.	4057.
75	2612.	3771.	4480.
85	2260.	4058.	3904.



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	911	911	911	911	911
2.5	899	903	916	919	918
5.0	894	899	912	916	915
7.5	889	893	906	912	912
10.0	881	886	900	906	907
12.5	870	876	891	899	900
15.0	858	864	881	888	890
17.5	842	848	867	876	879
20.0	825	832	853	863	866
22.5	807	814	837	847	853
25.0	785	794	817	831	838
27.5	760	771	798	813	819
30.0	738	749	778	794	801
32.5	711	723	754	773	782
35.0	683	696	729	750	760
37.5	654	667	702	725	734
40.0	624	638	675	698	707
42.5	593	608	647	669	680
45.0	560	579	617	640	650
47.5	528	548	586	608	620
50.0	494	516	552	575	587
52.5	462	485	519	544	556
55.0	429	452	485	512	526
57.5	400	420	450	479	495
60.0	365	389	417	448	464
62.5	330	355	386	420	435
65.0	295	320	354	394	411
67.5	262	284	323	365	381
70.0	227	250	292	335	352
72.5	194	215	263	304	315
75.0	162	181	234	264	278
77.5	131	152	203	224	234
80.0	102	125	167	181	187
82.5	74	99	129	133	135
85.0	47	70	85	80	82
87.5	24	39	36	29	28
90.0	4	4	2	1	1

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ZONAL LUMEN SUMMARY

0- 5	22.
5- 10	65.
10- 15	105.
15- 20	142.
20- 25	174.
25- 30	201.
30- 35	220.
35- 40	232.
40- 45	237.
45- 50	234.
50- 55	223.
55- 60	208.
60- 65	188.
65- 70	164.
70- 75	135.
75- 80	102.
80- 85	63.
85- 90	19.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	22
5- 10	65
10- 15	105
15- 20	142
20- 25	174
25- 30	201
30- 35	220
35- 40	232
40- 45	237
45- 50	234
50- 55	223
55- 60	208
60- 65	188
65- 70	164
70- 75	135
75- 80	102
80- 85	63
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	86
0- 20	334
0- 30	708
0- 40	1161
0- 50	1632
0- 60	2063
0- 70	2414
0- 80	2651
0- 90	2733
0-100	2733
0-110	2733
0-120	2733
0-130	2733
0-140	2733
0-150	2733
0-160	2733
0-170	2733
0-180	2733

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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

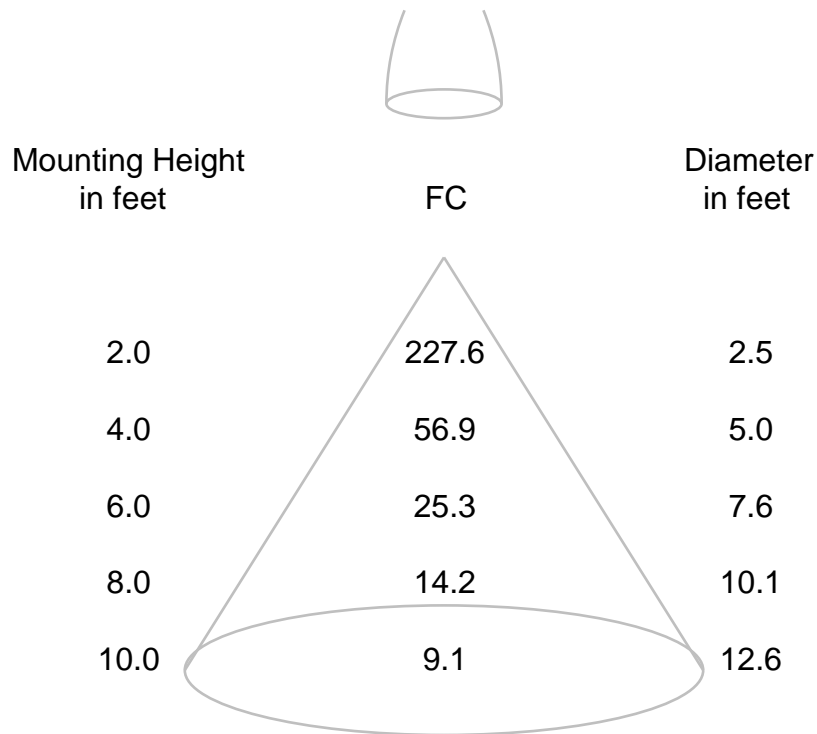
ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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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.