

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738116

Luminaire Tested: **22PT-25-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PR1-L935
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

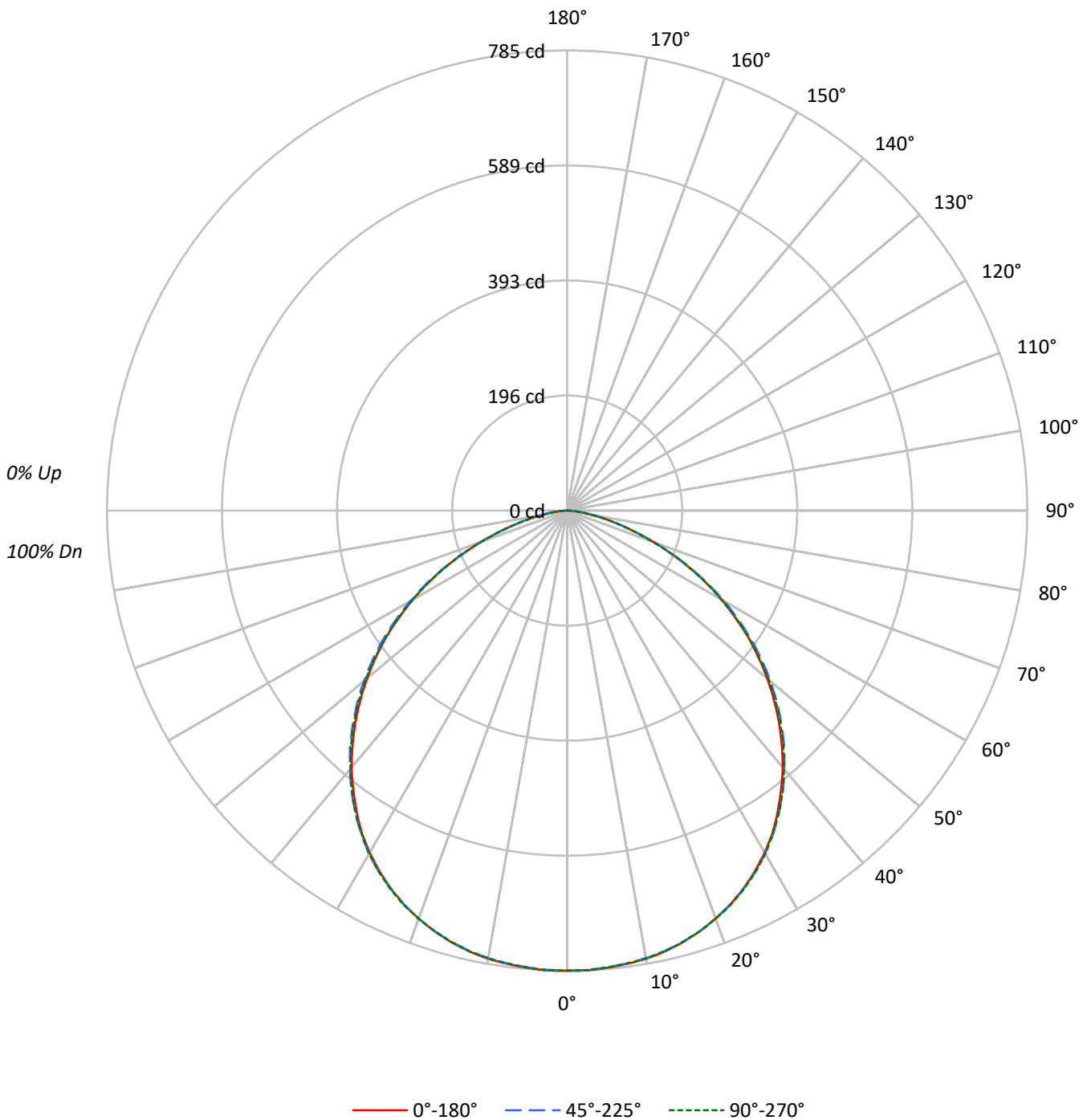
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2300	2300	2300
5°	2303	2301	2301
10°	2310	2307	2307
15°	2313	2311	2311
20°	2310	2309	2311
25°	2300	2302	2304
30°	2279	2286	2287
35°	2241	2253	2252
40°	2188	2203	2200
45°	2117	2144	2133
50°	2031	2062	2045
55°	1927	1958	1930
60°	1787	1811	1781
65°	1595	1611	1593
70°	1342	1342	1332
75°	1051	1051	1039
80°	769	761	758
85°	501	501	511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.6
10°-20°	215.1	10.3
20°-30°	328.0	15.6
30°-40°	393.1	18.7
40°-50°	397.1	18.9
50°-60°	339.7	16.2
60°-70°	229.1	10.9
70°-80°	101.1	4.8
80°-90°	19.4	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	617.5	29.4
0°-40°	1010.7	48.2
0°-60°	1747.4	83.3
0°-90°	2097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	783	782	782	782	782	75
15°	762	762	762	761	762	215
25°	711	712	712	712	713	328
35°	626	630	630	629	630	391
45°	511	515	517	516	515	394
55°	377	381	383	383	378	336
65°	230	232	232	232	230	227
75°	93	93	93	93	92	101
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.8	784.8	784.8	784.8	784.8
2.5°	785.3	784.3	784.0	783.7	784.8
5°	782.9	781.9	782.4	781.9	782.4
7.5°	780.0	779.0	779.3	778.7	779.3
10°	776.4	775.3	775.3	774.8	775.3
12.5°	770.6	769.8	769.5	769.0	769.8
15°	762.4	762.2	761.7	761.4	761.9
17.5°	752.5	752.0	752.5	751.7	752.2
20°	740.7	741.0	740.5	740.7	741.0
22.5°	727.3	727.3	727.6	727.6	728.2
25°	711.4	712.1	712.1	712.1	712.7
27.5°	693.6	694.6	695.3	694.8	695.3
30°	673.6	675.4	675.7	675.4	676.0
32.5°	652.1	653.4	654.2	653.6	653.1
35°	626.4	630.1	629.8	629.3	629.5
37.5°	599.4	603.1	604.3	603.3	603.6
40°	572.1	575.3	576.0	576.3	575.3
42.5°	542.0	545.7	548.5	547.2	545.7
45°	510.8	514.7	517.3	516.5	514.7
47.5°	478.5	482.2	485.9	484.5	482.7
50°	445.5	449.1	452.3	451.8	448.6
52.5°	411.6	415.9	418.7	417.7	413.5
55°	377.3	380.7	383.3	382.8	377.9
57.5°	340.1	344.5	345.9	345.0	341.4
60°	304.9	307.9	309.1	308.1	303.9
62.5°	267.4	269.8	270.8	270.6	267.7
65°	230.0	231.8	232.3	231.8	229.7
67.5°	191.4	194.0	194.3	194.3	192.2
70°	156.6	157.3	156.6	158.6	155.5
72.5°	122.7	123.2	122.7	122.7	121.4
75°	92.8	93.1	92.8	93.1	91.8
77.5°	67.1	67.6	66.6	67.4	66.1
80°	45.6	45.6	45.1	45.4	44.9
82.5°	28.3	28.8	28.1	28.1	27.8
85°	14.9	14.9	14.9	15.2	15.2
87.5°	5.2	5.2	5.5	5.5	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)