

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: P738196

Luminaire Tested: **22PT-45-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PL1-L935
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

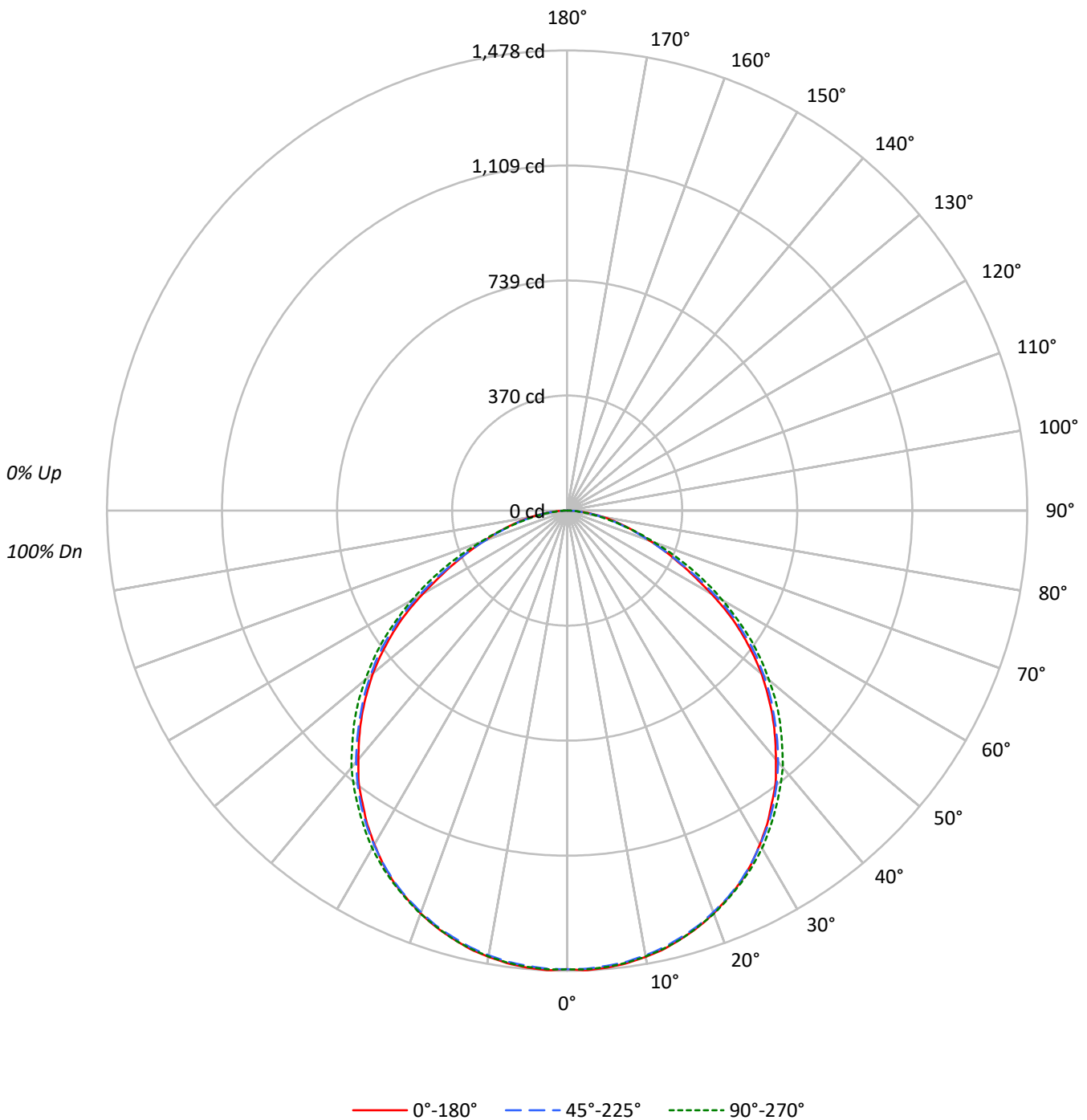
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3882.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
Input Voltage (V): NR
Input Current (A_{in}): 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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°	4317	4317	4317
5°	4334	4317	4328
10°	4330	4316	4327
15°	4315	4302	4317
20°	4293	4279	4296
25°	4258	4250	4268
30°	4188	4196	4236
35°	4100	4129	4177
40°	3988	4033	4123
45°	3866	3899	4009
50°	3713	3758	3860
55°	3486	3556	3667
60°	3135	3240	3378
65°	2746	2802	3012
70°	2411	2389	2544
75°	2168	2077	2084
80°	1946	1841	1642
85°	1543	1520	1251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	3.6
10°-20°	400.7	10.3
20°-30°	606.1	15.6
30°-40°	722.6	18.6
40°-50°	729.6	18.8
50°-60°	622.4	16.0
60°-70°	409.0	10.5
70°-80°	200.3	5.2
80°-90°	51.6	1.3
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°	1146.5	29.5
0°-40°	1869.1	48.1
0°-60°	3221.1	83.0
0°-90°	3882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1473	1473	1473	1473	1473	
5°	1473	1470	1468	1468	1472	140
15°	1423	1420	1418	1419	1423	402
25°	1317	1314	1315	1317	1320	606
35°	1146	1149	1154	1162	1168	717
45°	933	935	941	960	968	719
55°	682	686	696	712	718	607
65°	396	396	404	423	434	396
75°	192	190	184	182	184	205
85°	46	46	45	42	37	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1473.4	1473.4	1473.4	1473.4	1473.4
2.5°	1477.7	1474.6	1472.8	1471.5	1474.6
5°	1473.4	1470.3	1467.8	1467.8	1471.5
7.5°	1466.6	1463.5	1461.6	1461.0	1464.7
10°	1455.4	1451.7	1450.5	1449.8	1454.2
12.5°	1442.4	1436.8	1436.8	1436.2	1440.5
15°	1422.6	1420.1	1418.2	1418.9	1423.2
17.5°	1402.1	1399.6	1398.4	1398.4	1400.9
20°	1376.7	1373.6	1372.4	1373.6	1377.9
22.5°	1347.6	1345.7	1345.7	1347.0	1350.0
25°	1317.2	1314.1	1314.7	1316.6	1320.3
27.5°	1280.0	1279.4	1279.4	1283.7	1288.1
30°	1237.9	1237.9	1240.3	1246.5	1252.1
32.5°	1195.1	1194.5	1199.4	1205.0	1211.2
35°	1146.1	1149.2	1154.2	1162.2	1167.8
37.5°	1100.2	1099.6	1105.8	1120.1	1123.8
40°	1042.6	1046.9	1054.4	1068.6	1077.9
42.5°	988.7	991.8	998.6	1015.3	1021.5
45°	932.9	935.4	940.9	959.5	967.6
47.5°	874.0	877.1	885.2	900.7	910.0
50°	814.5	818.8	824.4	839.3	846.7
52.5°	749.4	755.0	764.9	778.5	784.1
55°	682.5	686.2	696.1	712.2	717.8
57.5°	612.4	615.5	629.8	641.6	645.9
60°	534.9	538.7	552.9	571.5	576.5
62.5°	461.8	464.9	477.3	499.6	507.0
65°	396.1	396.1	404.1	422.7	434.5
67.5°	337.8	336.6	337.8	352.1	364.5
70°	281.4	282.0	278.9	287.6	296.9
72.5°	234.9	234.9	228.7	230.0	237.4
75°	191.5	189.7	183.5	182.2	184.1
77.5°	153.1	150.0	145.0	141.3	137.0
80°	115.3	112.8	109.1	103.5	97.3
82.5°	80.6	78.1	75.6	72.5	66.3
85°	45.9	45.9	45.2	41.5	37.2
87.5°	18.6	18.0	17.4	16.7	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)