

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: P738354

Luminaire Tested: **22PT-50-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PW1-L850
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

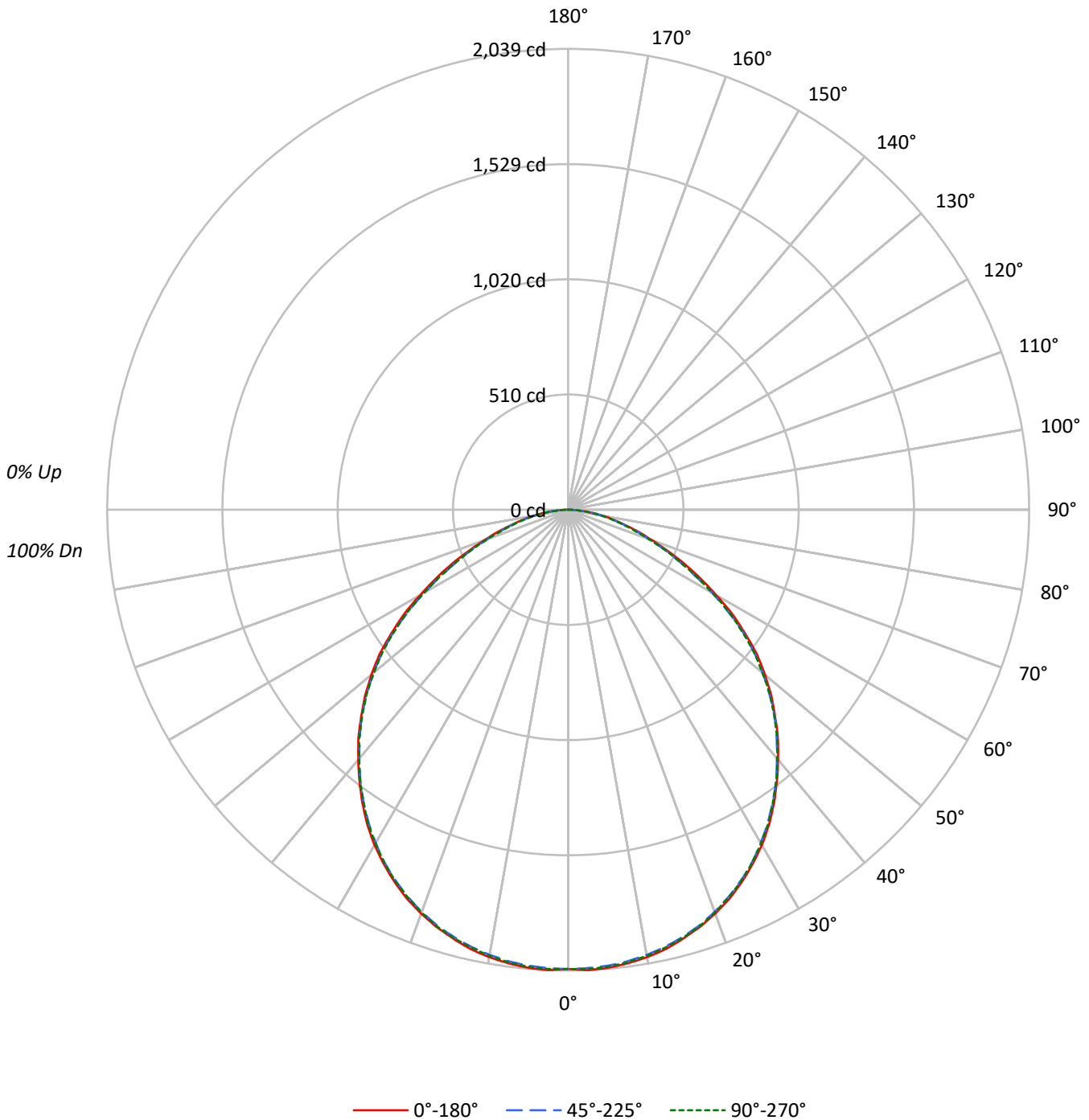
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5293.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
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		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		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	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	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°	5955	5955	5955
5°	5985	5958	5969
10°	5980	5951	5963
15°	5961	5935	5949
20°	5930	5904	5913
25°	5876	5850	5857
30°	5799	5762	5769
35°	5675	5644	5648
40°	5524	5496	5500
45°	5364	5345	5338
50°	5178	5121	5108
55°	4880	4815	4788
60°	4429	4301	4311
65°	3938	3754	3754
70°	3375	3252	3228
75°	2929	2863	2797
80°	2634	2528	2479
85°	2091	2111	1994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	3.6
10°-20°	552.7	10.4
20°-30°	833.7	15.8
30°-40°	987.5	18.7
40°-50°	994.1	18.8
50°-60°	840.5	15.9
60°-70°	546.5	10.3
70°-80°	272.0	5.1
80°-90°	73.3	1.4
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°	1579.1	29.8
0°-40°	2566.6	48.5
0°-60°	4401.2	83.2
0°-90°	5293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2032	2032	2032	2032	2032	
5°	2035	2027	2026	2024	2030	193
15°	1965	1959	1956	1956	1961	555
25°	1818	1811	1810	1808	1812	837
35°	1586	1580	1578	1578	1579	992
45°	1294	1290	1290	1288	1288	999
55°	955	947	942	938	937	852
65°	568	552	542	538	542	564
75°	259	259	253	246	247	280
85°	62	63	63	63	59	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2032.4	2032.4	2032.4	2032.4	2032.4
2.5°	2039.3	2032.4	2030.1	2029.0	2034.2
5°	2034.7	2027.2	2025.5	2024.4	2029.5
7.5°	2024.4	2017.5	2015.1	2014.6	2019.8
10°	2010.0	2003.0	2000.2	1999.0	2004.2
12.5°	1991.5	1984.0	1981.2	1980.0	1984.6
15°	1965.0	1958.7	1956.4	1955.8	1961.0
17.5°	1936.2	1929.9	1928.7	1927.0	1932.2
20°	1901.7	1895.3	1893.6	1891.3	1896.5
22.5°	1863.6	1856.1	1853.8	1852.1	1856.1
25°	1817.6	1811.2	1809.5	1807.8	1811.8
27.5°	1766.9	1762.2	1759.9	1758.2	1760.5
30°	1713.9	1705.8	1702.9	1701.8	1705.2
32.5°	1652.8	1647.0	1643.0	1642.4	1646.5
35°	1586.5	1579.6	1577.9	1577.9	1579.1
37.5°	1516.3	1512.8	1509.9	1508.2	1511.6
40°	1444.2	1443.1	1436.8	1436.2	1437.9
42.5°	1373.4	1368.8	1364.2	1366.5	1367.6
45°	1294.5	1289.9	1289.9	1288.1	1288.1
47.5°	1218.4	1213.8	1207.5	1208.1	1209.2
50°	1136.0	1130.3	1123.4	1127.4	1120.5
52.5°	1051.9	1041.6	1036.4	1036.4	1035.8
55°	955.2	947.1	942.5	938.4	937.3
57.5°	861.8	849.7	838.2	839.4	843.4
60°	755.8	750.1	733.9	735.1	735.7
62.5°	660.2	649.2	632.5	632.5	638.3
65°	568.0	552.5	541.5	537.5	541.5
67.5°	477.6	468.9	459.7	453.4	459.1
70°	394.0	389.4	379.6	373.3	376.8
72.5°	326.1	319.7	311.7	308.2	304.7
75°	258.7	258.7	252.9	246.0	247.1
77.5°	203.9	202.2	198.2	195.3	195.3
80°	156.1	154.4	149.8	148.6	146.9
82.5°	107.7	108.3	106.0	104.3	102.0
85°	62.2	63.4	62.8	62.8	59.3
87.5°	26.5	24.2	25.9	25.3	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)