

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: P738242

Luminaire Tested: **22PT-50-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738242
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-50-PL1-L850
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

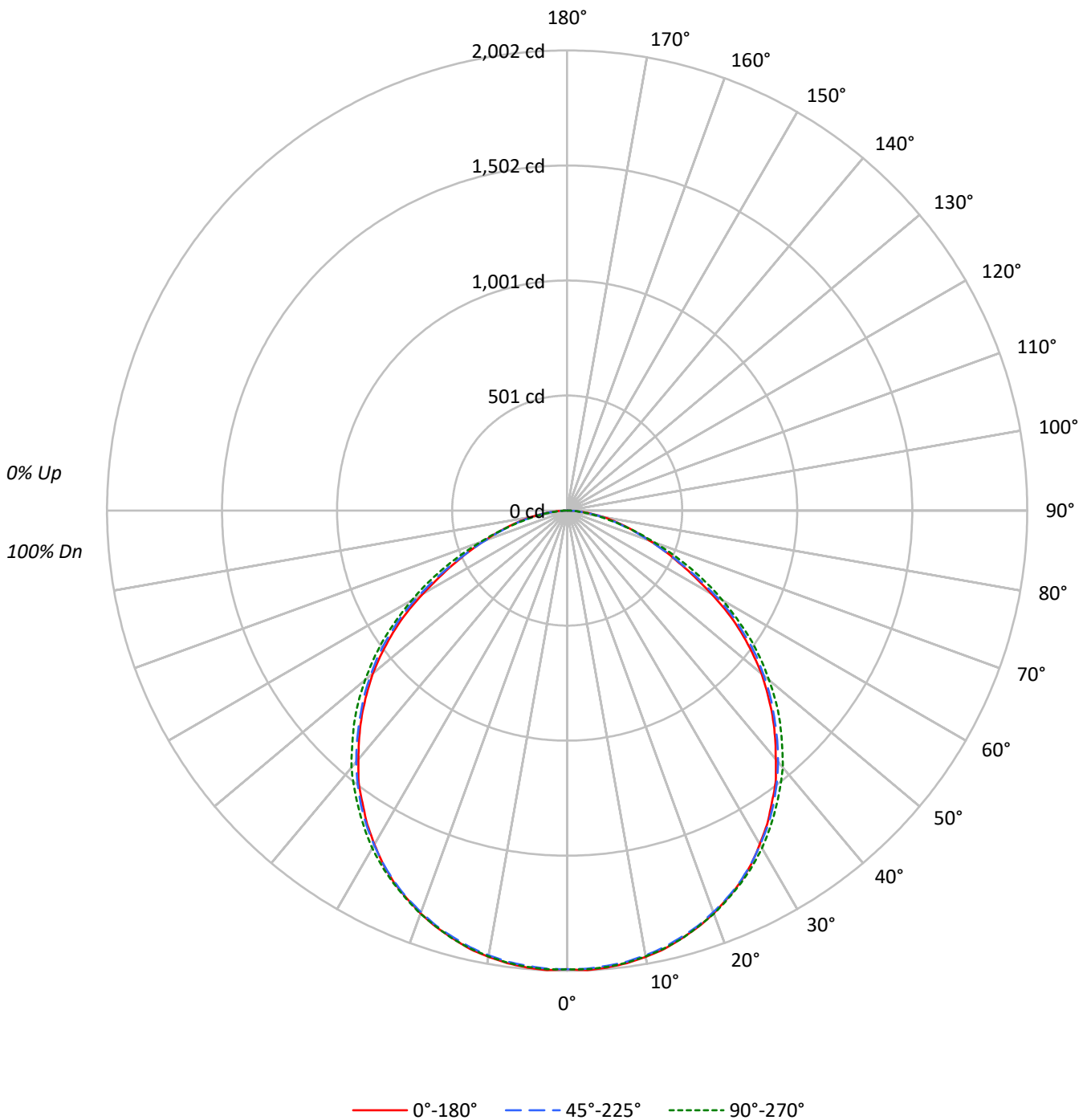
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5258.0 lumens
Efficiency: N/A
Efficacy: 133.8 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): 39.3
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	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°	5848	5848	5848
5°	5870	5848	5862
10°	5865	5845	5860
15°	5845	5827	5848
20°	5814	5796	5820
25°	5768	5757	5782
30°	5673	5684	5738
35°	5553	5592	5658
40°	5402	5462	5584
45°	5236	5281	5431
50°	5029	5090	5228
55°	4722	4816	4966
60°	4246	4389	4576
65°	3720	3795	4080
70°	3266	3237	3446
75°	2937	2813	2823
80°	2636	2494	2224
85°	2088	2061	1694



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	3.6
10°-20°	542.8	10.3
20°-30°	820.9	15.6
30°-40°	978.8	18.6
40°-50°	988.2	18.8
50°-60°	843.0	16.0
60°-70°	554.0	10.5
70°-80°	271.3	5.2
80°-90°	69.9	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°	1552.9	29.5
0°-40°	2531.7	48.1
0°-60°	4362.9	83.0
0°-90°	5258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1996	1992	1988	1988	1993	190
15°	1927	1924	1921	1922	1928	544
25°	1784	1780	1781	1783	1788	821
35°	1552	1557	1563	1574	1582	971
45°	1264	1267	1274	1300	1311	973
55°	924	929	943	965	972	823
65°	536	536	547	573	588	537
75°	259	257	248	247	249	278
85°	62	62	61	56	50	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1995.7	1995.7	1995.7	1995.7	1995.7
2.5°	2001.5	1997.3	1994.8	1993.1	1997.3
5°	1995.7	1991.5	1988.1	1988.1	1993.1
7.5°	1986.4	1982.2	1979.7	1978.9	1983.9
10°	1971.3	1966.3	1964.6	1963.8	1969.6
12.5°	1953.7	1946.1	1946.1	1945.3	1951.2
15°	1926.8	1923.5	1920.9	1921.8	1927.7
17.5°	1899.1	1895.7	1894.1	1894.1	1897.4
20°	1864.7	1860.5	1858.8	1860.5	1866.4
22.5°	1825.2	1822.7	1822.7	1824.4	1828.6
25°	1784.1	1779.9	1780.7	1783.2	1788.3
27.5°	1733.7	1732.9	1732.9	1738.7	1744.6
30°	1676.6	1676.6	1680.0	1688.4	1695.9
32.5°	1618.7	1617.9	1624.6	1632.1	1640.5
35°	1552.4	1556.6	1563.3	1574.2	1581.7
37.5°	1490.2	1489.4	1497.8	1517.1	1522.1
40°	1412.2	1418.0	1428.1	1447.4	1460.0
42.5°	1339.1	1343.3	1352.5	1375.2	1383.6
45°	1263.6	1266.9	1274.5	1299.7	1310.6
47.5°	1183.8	1188.0	1198.9	1219.9	1232.5
50°	1103.2	1109.1	1116.6	1136.8	1146.9
52.5°	1015.0	1022.6	1036.0	1054.5	1062.1
55°	924.4	929.4	942.8	964.7	972.2
57.5°	829.5	833.7	853.0	869.0	874.8
60°	724.5	729.6	748.9	774.1	780.8
62.5°	625.5	629.7	646.5	676.7	686.8
65°	536.5	536.5	547.4	572.6	588.5
67.5°	457.6	455.9	457.6	476.9	493.7
70°	381.2	382.0	377.8	389.6	402.2
72.5°	318.2	318.2	309.8	311.5	321.6
75°	259.4	256.9	248.5	246.8	249.4
77.5°	207.4	203.2	196.5	191.4	185.5
80°	156.2	152.8	147.8	140.2	131.8
82.5°	109.1	105.8	102.4	98.2	89.8
85°	62.1	62.1	61.3	56.3	50.4
87.5°	25.2	24.3	23.5	22.7	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)