

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: P738620

Luminaire Tested: **24PT-60-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PW1-L935
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

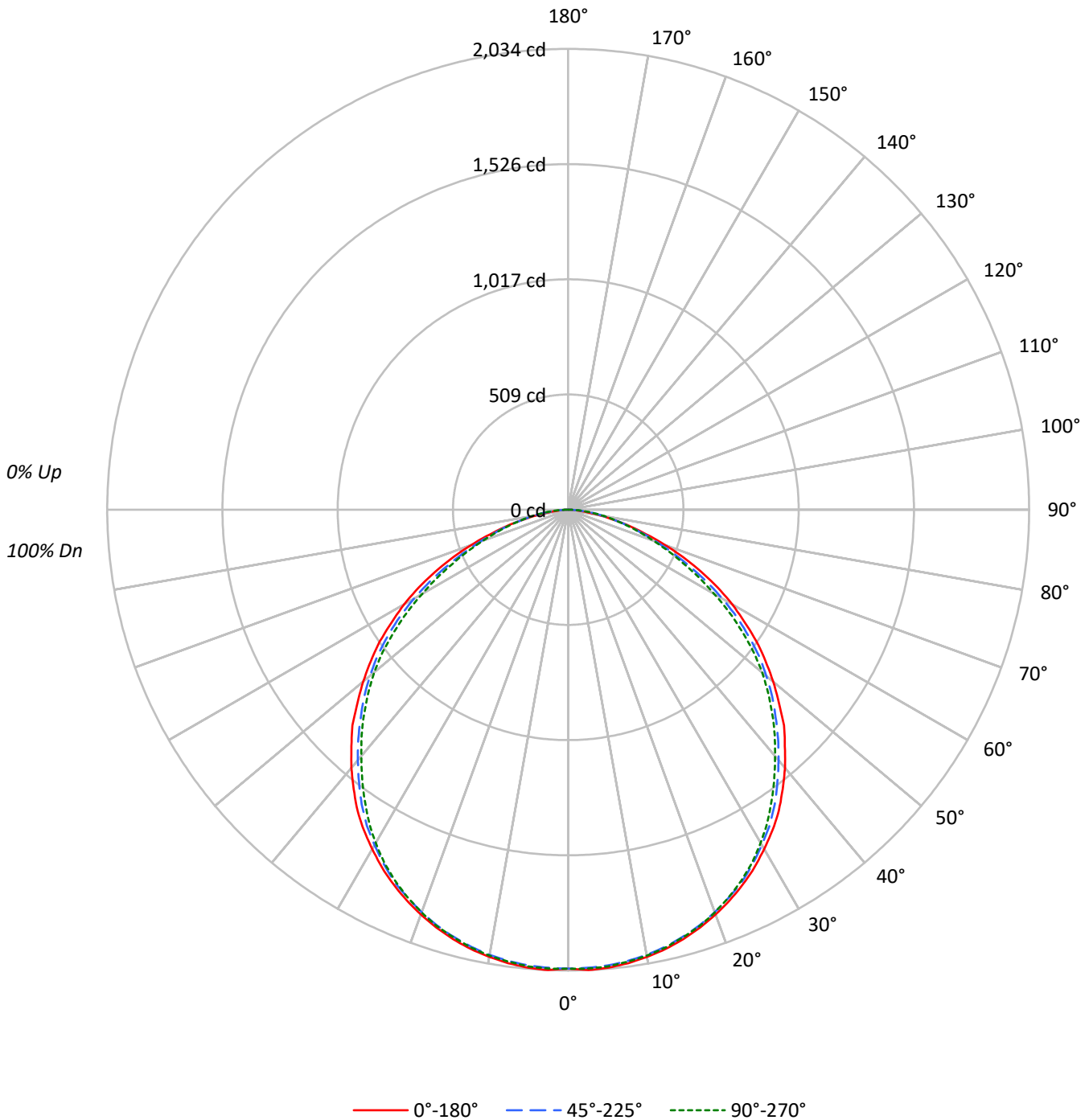
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5401.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2904	2904	2904
5°	2921	2906	2912
10°	2919	2905	2910
15°	2913	2897	2901
20°	2901	2884	2886
25°	2886	2869	2858
30°	2863	2830	2813
35°	2837	2780	2741
40°	2785	2703	2658
45°	2730	2624	2582
50°	2634	2545	2491
55°	2537	2429	2341
60°	2398	2250	2134
65°	2195	2005	1901
70°	1902	1738	1674
75°	1557	1499	1479
80°	1136	1282	1320
85°	762	1069	1137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.1	3.6
10°-20°	551.5	10.2
20°-30°	834.7	15.5
30°-40°	993.2	18.4
40°-50°	1003.2	18.6
50°-60°	868.1	16.1
60°-70°	593.0	11.0
70°-80°	292.2	5.4
80°-90°	73.0	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°	1578.3	29.2
0°-40°	2571.5	47.6
0°-60°	4442.7	82.3
0°-90°	5401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2026	2026	2026	2026	2026	
5°	2029	2022	2019	2017	2023	193
15°	1962	1956	1952	1951	1954	554
25°	1824	1817	1814	1807	1807	841
35°	1621	1608	1588	1571	1566	1012
45°	1346	1324	1294	1280	1273	1034
55°	1015	1001	972	951	936	904
65°	647	622	591	572	560	639
75°	281	273	270	269	267	300
85°	46	57	65	67	69	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2025.6	2025.6	2025.6	2025.6	2025.6
2.5°	2033.8	2026.2	2023.8	2022.1	2027.3
5°	2029.1	2021.5	2019.1	2017.4	2023.2
7.5°	2019.1	2011.5	2009.2	2007.4	2012.1
10°	2004.5	1997.5	1995.1	1993.4	1998.6
12.5°	1985.8	1979.3	1976.4	1974.1	1979.9
15°	1962.3	1955.9	1951.8	1950.6	1954.1
17.5°	1934.2	1927.8	1924.9	1923.1	1927.2
20°	1901.4	1894.4	1890.3	1888.0	1891.5
22.5°	1865.1	1858.1	1852.8	1850.5	1851.7
25°	1824.1	1817.1	1813.6	1806.6	1806.6
27.5°	1780.2	1772.0	1763.2	1755.6	1756.2
30°	1729.3	1719.9	1709.4	1699.4	1698.8
32.5°	1677.7	1666.0	1653.1	1639.7	1635.6
35°	1620.9	1607.5	1588.1	1570.6	1565.9
37.5°	1554.2	1541.9	1516.1	1501.5	1493.9
40°	1488.0	1470.4	1444.1	1427.1	1420.1
42.5°	1415.4	1398.4	1370.3	1354.5	1348.6
45°	1346.3	1323.5	1294.2	1279.5	1273.1
47.5°	1260.2	1241.5	1221.0	1204.0	1195.8
50°	1180.6	1165.3	1140.7	1122.0	1116.7
52.5°	1097.4	1084.5	1061.1	1036.5	1030.7
55°	1014.8	1000.8	971.5	951.0	936.4
57.5°	921.7	909.4	881.9	855.6	842.7
60°	836.2	815.2	784.7	756.0	744.3
62.5°	743.1	722.6	687.5	658.2	651.8
65°	647.1	622.5	590.9	571.5	560.4
67.5°	549.9	525.9	499.5	487.2	480.2
70°	453.8	434.5	414.6	405.8	399.4
72.5°	361.3	350.2	339.1	335.5	329.7
75°	281.1	272.9	270.5	268.8	267.0
77.5°	202.6	206.7	209.1	211.4	209.1
80°	137.6	146.4	155.2	159.9	159.9
82.5°	84.9	100.1	107.8	112.4	111.8
85°	46.3	57.4	65.0	67.3	69.1
87.5°	18.7	23.4	26.4	28.7	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)