

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: P738622

Luminaire Tested: **24PT-60-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738622
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-L950
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

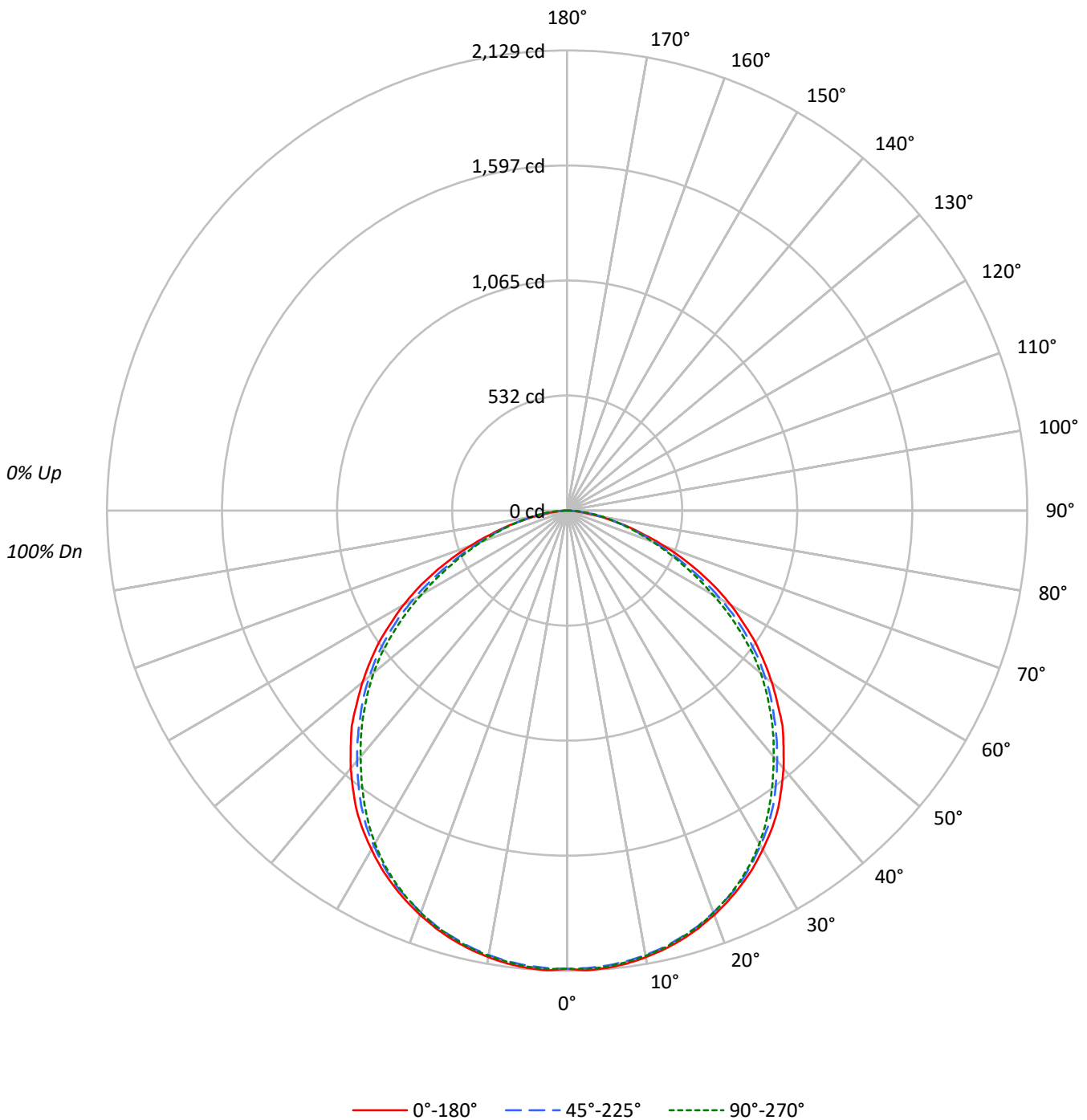
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5654.0 lumens
Efficiency: N/A
Efficacy: 111.5 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

TEST NUMBER: P738622
CATALOG NUMBER: 24PT-60-PW1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738622

CATALOG NUMBER: 24PT-60-PW1-L950

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°	3041	3041	3041
5°	3057	3042	3049
10°	3055	3041	3046
15°	3049	3033	3037
20°	3037	3020	3021
25°	3021	3004	2992
30°	2997	2963	2944
35°	2970	2910	2869
40°	2916	2830	2783
45°	2858	2747	2702
50°	2757	2664	2608
55°	2656	2542	2450
60°	2510	2356	2235
65°	2298	2098	1991
70°	1992	1819	1753
75°	1630	1569	1548
80°	1190	1342	1382
85°	796	1119	1189



TEST NUMBER: P738622

CATALOG NUMBER: 24PT-60-PW1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.1	3.6
10°-20°	577.3	10.2
20°-30°	873.8	15.5
30°-40°	1039.7	18.4
40°-50°	1050.2	18.6
50°-60°	908.7	16.1
60°-70°	620.8	11.0
70°-80°	305.9	5.4
80°-90°	76.5	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°	1652.2	29.2
0°-40°	2691.9	47.6
0°-60°	4650.8	82.3
0°-90°	5654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2120	2120	2120	2120	2120	
5°	2124	2116	2114	2112	2118	202
15°	2054	2048	2043	2042	2046	580
25°	1910	1902	1899	1891	1891	880
35°	1697	1683	1662	1644	1639	1059
45°	1409	1385	1355	1340	1333	1082
55°	1062	1048	1017	996	980	946
65°	677	652	618	598	587	669
75°	294	286	283	281	280	315
85°	48	60	68	70	72	62
90°	0	0	0	0	0	



TEST NUMBER: P738622

CATALOG NUMBER: 24PT-60-PW1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2120.5	2120.5	2120.5	2120.5	2120.5
2.5°	2129.1	2121.1	2118.6	2116.8	2122.3
5°	2124.1	2116.2	2113.7	2111.9	2118.0
7.5°	2113.7	2105.8	2103.3	2101.5	2106.4
10°	2098.4	2091.0	2088.6	2086.8	2092.3
12.5°	2078.8	2072.0	2069.0	2066.5	2072.7
15°	2054.3	2047.5	2043.2	2042.0	2045.7
17.5°	2024.8	2018.1	2015.0	2013.2	2017.5
20°	1990.5	1983.1	1978.9	1976.4	1980.1
22.5°	1952.5	1945.1	1939.6	1937.2	1938.4
25°	1909.6	1902.2	1898.6	1891.2	1891.2
27.5°	1863.6	1855.0	1845.8	1837.9	1838.5
30°	1810.3	1800.5	1789.4	1779.0	1778.4
32.5°	1756.3	1744.1	1730.6	1716.5	1712.2
35°	1696.9	1682.8	1662.5	1644.1	1639.2
37.5°	1627.0	1614.1	1587.1	1571.8	1563.8
40°	1557.7	1539.3	1511.7	1494.0	1486.6
42.5°	1481.7	1463.9	1434.5	1417.9	1411.8
45°	1409.4	1385.4	1354.8	1339.5	1332.7
47.5°	1319.2	1299.6	1278.2	1260.4	1251.8
50°	1235.9	1219.9	1194.2	1174.6	1169.0
52.5°	1148.8	1135.3	1110.8	1085.1	1078.9
55°	1062.4	1047.7	1017.0	995.6	980.2
57.5°	964.9	952.0	923.2	895.6	882.1
60°	875.4	853.3	821.5	791.4	779.2
62.5°	777.9	756.5	719.7	689.0	682.3
65°	677.4	651.7	618.5	598.3	586.7
67.5°	575.6	550.5	522.9	510.0	502.7
70°	475.1	454.9	434.0	424.8	418.1
72.5°	378.2	366.6	354.9	351.3	345.1
75°	294.3	285.7	283.2	281.4	279.5
77.5°	212.1	216.4	218.9	221.3	218.9
80°	144.1	153.3	162.5	167.4	167.4
82.5°	88.9	104.8	112.8	117.7	117.1
85°	48.4	60.1	68.0	70.5	72.3
87.5°	19.6	24.5	27.6	30.0	31.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)