

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: P738619

Luminaire Tested: **24PT-60-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738619
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-L930
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

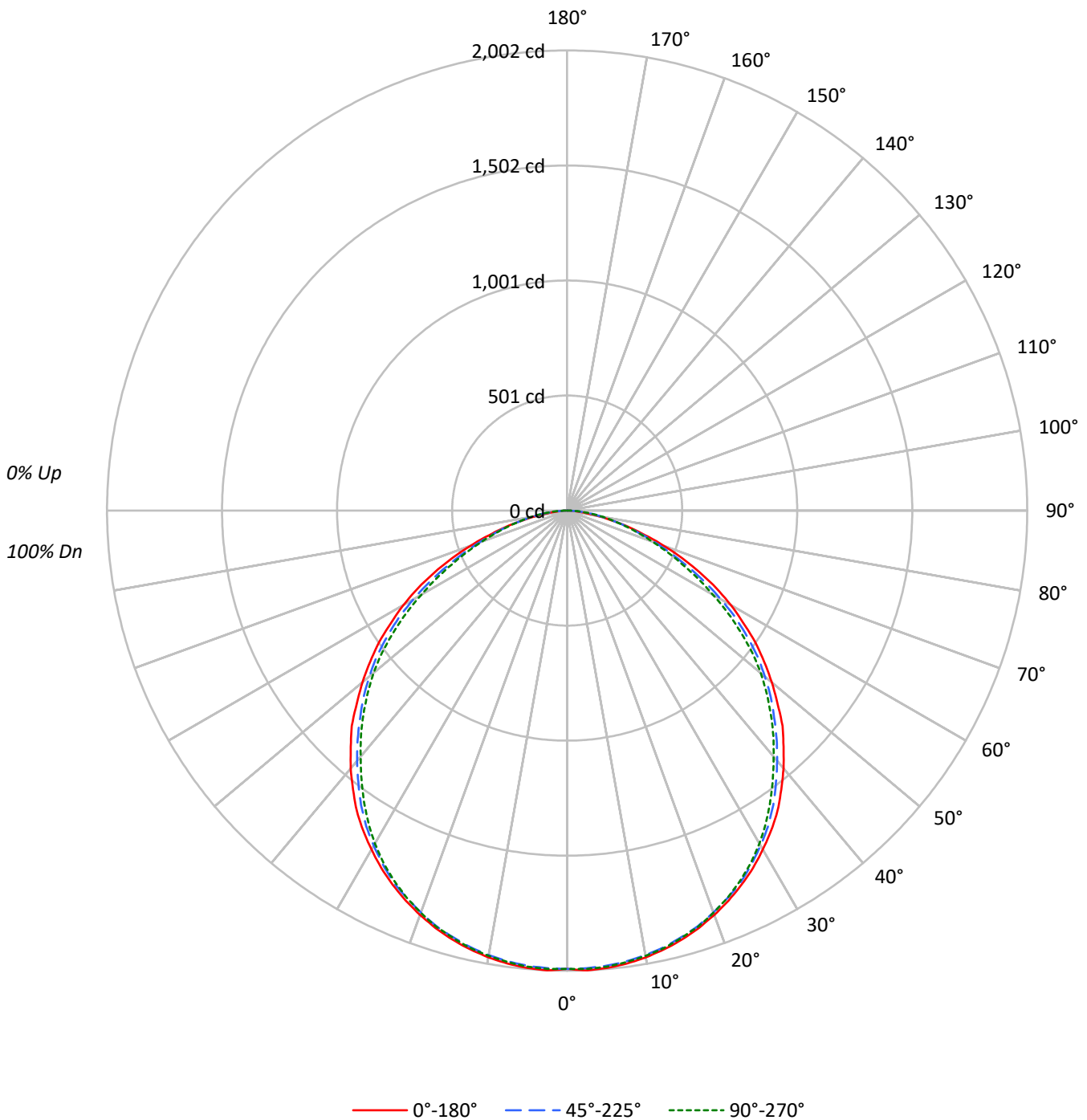
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5317.0 lumens
Efficiency: N/A
Efficacy: 104.9 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 (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	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°	2859	2859	2859
5°	2875	2861	2867
10°	2873	2860	2865
15°	2868	2852	2856
20°	2856	2840	2841
25°	2841	2825	2814
30°	2819	2786	2769
35°	2793	2737	2698
40°	2742	2661	2617
45°	2688	2583	2541
50°	2593	2505	2452
55°	2498	2391	2304
60°	2361	2215	2101
65°	2161	1974	1872
70°	1873	1711	1648
75°	1533	1475	1456
80°	1119	1262	1300
85°	749	1053	1119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	3.6
10°-20°	542.9	10.2
20°-30°	821.7	15.5
30°-40°	977.7	18.4
40°-50°	987.6	18.6
50°-60°	854.6	16.1
60°-70°	583.8	11.0
70°-80°	287.7	5.4
80°-90°	71.9	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°	1553.8	29.2
0°-40°	2531.5	47.6
0°-60°	4373.7	82.3
0°-90°	5317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	1998	1990	1988	1986	1992	190
15°	1932	1926	1921	1920	1924	545
25°	1796	1789	1785	1778	1778	828
35°	1596	1582	1563	1546	1542	996
45°	1325	1303	1274	1260	1253	1018
55°	999	985	956	936	922	890
65°	637	613	582	563	552	629
75°	277	269	266	265	263	296
85°	46	56	64	66	68	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1994.1	1994.1	1994.1	1994.1	1994.1
2.5°	2002.2	1994.7	1992.4	1990.6	1995.8
5°	1997.5	1990.0	1987.7	1986.0	1991.8
7.5°	1987.7	1980.2	1977.9	1976.2	1980.8
10°	1973.3	1966.4	1964.1	1962.4	1967.6
12.5°	1954.9	1948.5	1945.7	1943.3	1949.1
15°	1931.8	1925.5	1921.4	1920.3	1923.7
17.5°	1904.1	1897.8	1894.9	1893.2	1897.2
20°	1871.9	1864.9	1860.9	1858.6	1862.1
22.5°	1836.1	1829.2	1824.0	1821.7	1822.9
25°	1795.8	1788.8	1785.4	1778.5	1778.5
27.5°	1752.5	1744.5	1735.8	1728.3	1728.9
30°	1702.4	1693.2	1682.8	1673.0	1672.4
32.5°	1651.6	1640.1	1627.4	1614.2	1610.1
35°	1595.7	1582.5	1563.4	1546.1	1541.5
37.5°	1530.0	1517.9	1492.5	1478.1	1470.6
40°	1464.9	1447.6	1421.6	1404.9	1398.0
42.5°	1393.4	1376.7	1349.0	1333.4	1327.7
45°	1325.4	1302.9	1274.0	1259.6	1253.3
47.5°	1240.6	1222.2	1202.0	1185.3	1177.2
50°	1162.2	1147.2	1123.0	1104.6	1099.4
52.5°	1080.3	1067.7	1044.6	1020.4	1014.6
55°	999.1	985.2	956.4	936.2	921.8
57.5°	907.4	895.3	868.2	842.3	829.6
60°	823.2	802.5	772.5	744.2	732.7
62.5°	731.6	711.4	676.8	648.0	641.6
65°	637.0	612.8	581.7	562.7	551.7
67.5°	541.3	517.7	491.7	479.6	472.7
70°	446.8	427.8	408.2	399.5	393.2
72.5°	355.7	344.7	333.8	330.3	324.6
75°	276.7	268.6	266.3	264.6	262.9
77.5°	199.5	203.5	205.8	208.1	205.8
80°	135.5	144.1	152.8	157.4	157.4
82.5°	83.6	98.6	106.1	110.7	110.1
85°	45.5	56.5	64.0	66.3	68.0
87.5°	18.4	23.1	25.9	28.2	29.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)