

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: P738353

Luminaire Tested: **22PT-50-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738353
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-L840
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

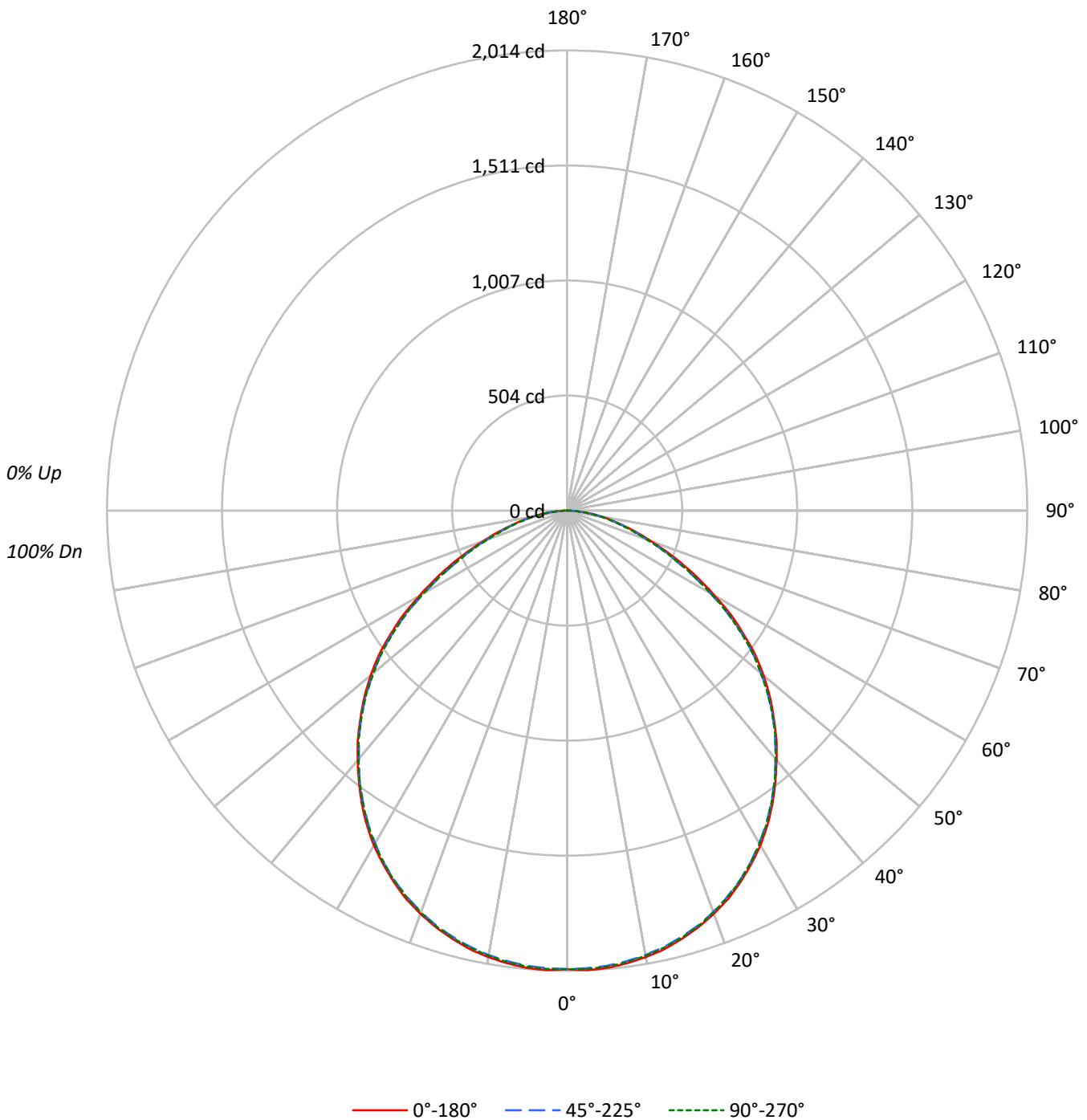
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5226.0 lumens
Efficiency: N/A
Efficacy: 133.0 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°	5880	5880	5880
5°	5909	5882	5894
10°	5904	5876	5887
15°	5885	5859	5873
20°	5855	5830	5839
25°	5802	5776	5783
30°	5725	5689	5696
35°	5603	5573	5577
40°	5454	5426	5430
45°	5296	5277	5270
50°	5113	5056	5043
55°	4818	4753	4727
60°	4373	4246	4256
65°	3888	3707	3707
70°	3333	3211	3187
75°	2891	2827	2762
80°	2600	2496	2447
85°	2064	2084	1970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	3.6
10°-20°	545.7	10.4
20°-30°	823.2	15.8
30°-40°	975.0	18.7
40°-50°	981.5	18.8
50°-60°	829.9	15.9
60°-70°	539.6	10.3
70°-80°	268.5	5.1
80°-90°	72.4	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°	1559.1	29.8
0°-40°	2534.1	48.5
0°-60°	4345.5	83.2
0°-90°	5226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2007	2007	2007	2007	2007	
5°	2009	2002	2000	1999	2004	191
15°	1940	1934	1932	1931	1936	548
25°	1794	1788	1787	1785	1789	826
35°	1566	1560	1558	1558	1559	979
45°	1278	1274	1274	1272	1272	986
55°	943	935	930	927	925	842
65°	561	546	535	531	535	557
75°	255	255	250	243	244	277
85°	61	63	62	62	59	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2006.7	2006.7	2006.7	2006.7	2006.7
2.5°	2013.5	2006.7	2004.4	2003.3	2008.4
5°	2009.0	2001.6	1999.9	1998.7	2003.9
7.5°	1998.7	1991.9	1989.6	1989.1	1994.2
10°	1984.5	1977.7	1974.9	1973.7	1978.8
12.5°	1966.3	1958.9	1956.1	1954.9	1959.5
15°	1940.2	1933.9	1931.6	1931.1	1936.2
17.5°	1911.7	1905.5	1904.3	1902.6	1907.7
20°	1877.6	1871.3	1869.6	1867.3	1872.5
22.5°	1840.0	1832.7	1830.4	1828.7	1832.7
25°	1794.5	1788.3	1786.6	1784.9	1788.9
27.5°	1744.5	1739.9	1737.7	1736.0	1738.2
30°	1692.2	1684.2	1681.4	1680.2	1683.6
32.5°	1631.9	1626.2	1622.2	1621.6	1625.6
35°	1566.5	1559.6	1557.9	1557.9	1559.1
37.5°	1497.1	1493.7	1490.8	1489.1	1492.5
40°	1426.0	1424.8	1418.6	1418.0	1419.7
42.5°	1356.0	1351.5	1346.9	1349.2	1350.3
45°	1278.1	1273.5	1273.5	1271.8	1271.8
47.5°	1203.0	1198.4	1192.2	1192.8	1193.9
50°	1121.7	1116.0	1109.1	1113.1	1106.3
52.5°	1038.6	1028.4	1023.3	1023.3	1022.7
55°	943.1	935.1	930.5	926.6	925.4
57.5°	850.9	839.0	827.6	828.7	832.7
60°	746.3	740.6	724.6	725.8	726.3
62.5°	651.8	641.0	624.5	624.5	630.2
65°	560.8	545.5	534.7	530.7	534.7
67.5°	471.5	463.0	453.9	447.6	453.3
70°	389.1	384.5	374.8	368.6	372.0
72.5°	321.9	315.7	307.7	304.3	300.9
75°	255.4	255.4	249.7	242.9	244.0
77.5°	201.4	199.6	195.7	192.8	192.8
80°	154.1	152.4	147.9	146.7	145.0
82.5°	106.4	106.9	104.7	103.0	100.7
85°	61.4	62.6	62.0	62.0	58.6
87.5°	26.2	23.9	25.6	25.0	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)