

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: P738233

Luminaire Tested: **22PT-50-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PC3-L840
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

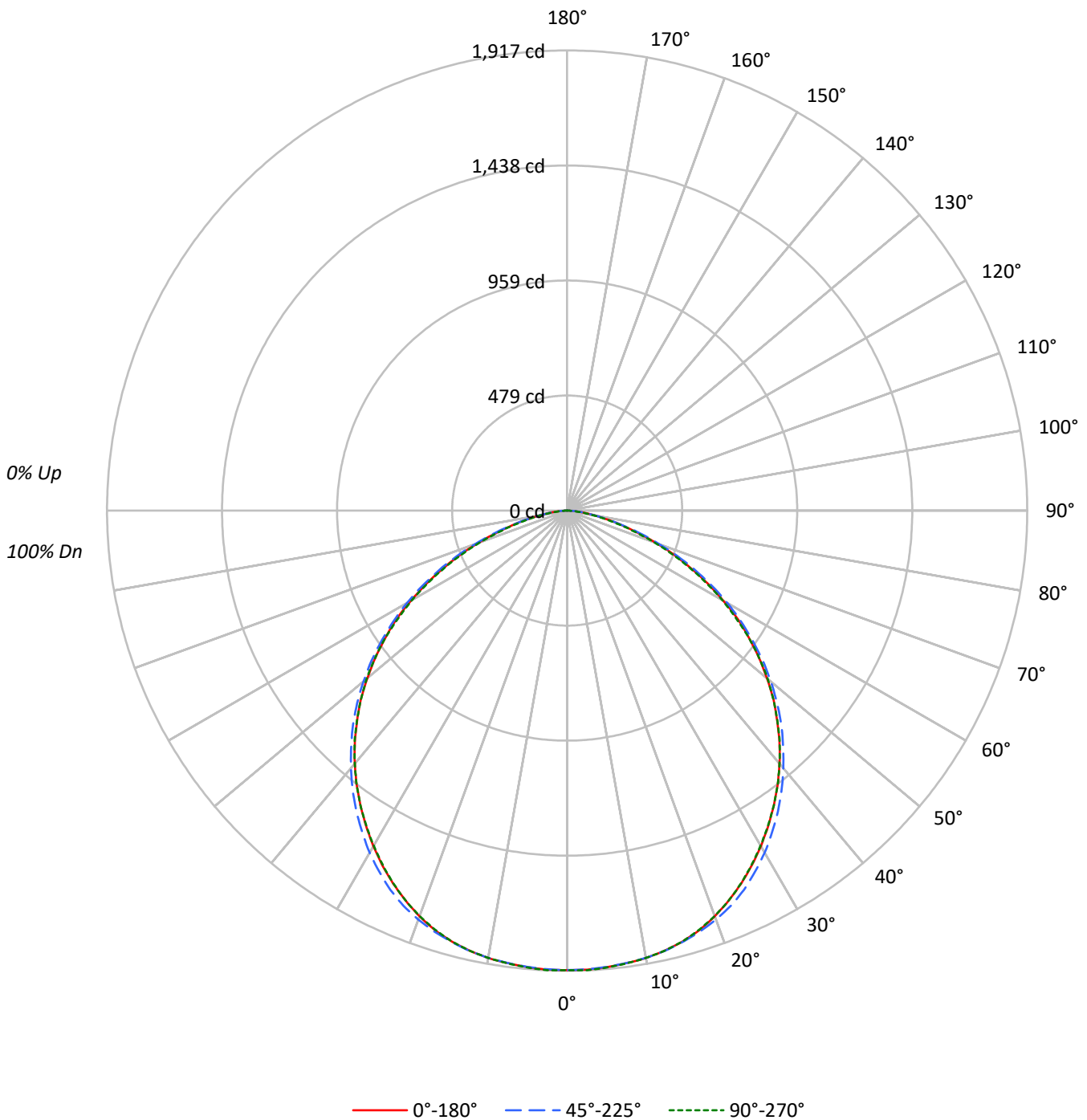
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5143.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	110	105	101	97	107	103	99	96	99	96	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	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		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	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5609	5609	5609
5°	5617	5613	5620
10°	5631	5629	5631
15°	5637	5645	5636
20°	5609	5654	5605
25°	5544	5634	5540
30°	5462	5569	5453
35°	5367	5474	5367
40°	5266	5359	5266
45°	5127	5228	5135
50°	4952	5049	4971
55°	4722	4815	4722
60°	4403	4514	4375
65°	3952	4091	3901
70°	3381	3500	3280
75°	2682	2758	2543
80°	1922	1994	1831
85°	1267	1308	1190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	3.5
10°-20°	524.7	10.2
20°-30°	796.0	15.5
30°-40°	950.6	18.5
40°-50°	966.8	18.8
50°-60°	836.2	16.3
60°-70°	575.4	11.2
70°-80°	261.1	5.1
80°-90°	50.6	1.0
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°	1502.3	29.2
0°-40°	2452.9	47.7
0°-60°	4255.9	82.8
0°-90°	5143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1910	1908	1908	1908	1911	182
15°	1858	1860	1861	1858	1858	524
25°	1715	1730	1743	1727	1714	790
35°	1500	1527	1530	1525	1500	939
45°	1237	1260	1262	1260	1239	954
55°	924	940	942	941	924	826
65°	570	586	590	585	563	566
75°	237	246	244	241	225	255
85°	38	40	39	38	35	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.4	1914.4	1914.4	1914.4	1914.4
2.5°	1914.4	1912.0	1912.5	1913.2	1916.8
5°	1909.6	1907.7	1908.2	1908.2	1910.8
7.5°	1901.6	1901.1	1901.1	1900.4	1902.3
10°	1892.5	1891.3	1891.9	1891.3	1892.5
12.5°	1878.5	1878.5	1879.0	1877.3	1878.5
15°	1858.4	1859.6	1860.8	1857.9	1857.9
17.5°	1832.8	1835.8	1838.9	1833.4	1830.4
20°	1798.8	1806.1	1813.3	1804.7	1797.6
22.5°	1759.1	1771.3	1782.4	1768.9	1759.1
25°	1714.7	1729.9	1742.7	1726.9	1713.5
27.5°	1666.6	1683.6	1695.8	1682.4	1664.2
30°	1614.3	1635.0	1645.9	1633.1	1611.7
32.5°	1558.3	1582.5	1589.2	1581.3	1556.9
35°	1500.4	1527.2	1530.3	1524.8	1500.4
37.5°	1440.1	1465.7	1468.1	1465.0	1440.1
40°	1376.7	1400.4	1401.1	1401.1	1376.7
42.5°	1309.2	1332.3	1332.3	1331.6	1310.9
45°	1237.3	1259.9	1261.7	1260.4	1239.2
47.5°	1166.1	1183.2	1186.1	1183.7	1164.9
50°	1086.3	1103.9	1107.7	1105.1	1090.6
52.5°	1007.1	1023.6	1027.2	1025.4	1009.0
55°	924.4	940.1	942.5	940.8	924.4
57.5°	844.6	854.9	857.3	853.7	833.0
60°	751.4	766.1	770.3	766.1	746.6
62.5°	661.4	677.1	680.8	674.7	654.0
65°	570.0	585.7	590.0	585.2	562.6
67.5°	483.6	495.0	498.8	493.3	472.5
70°	394.6	409.3	408.6	401.2	382.9
72.5°	306.9	326.9	323.3	319.1	298.9
75°	236.9	246.0	243.6	241.2	224.6
77.5°	169.3	180.2	174.2	174.7	160.7
80°	113.9	124.2	118.2	115.6	108.5
82.5°	72.4	76.7	75.5	74.3	67.6
85°	37.7	40.1	38.9	37.7	35.4
87.5°	14.7	15.9	14.7	14.7	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)