

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: P738257

Luminaire Tested: **22PT-50-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PR1-L840
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

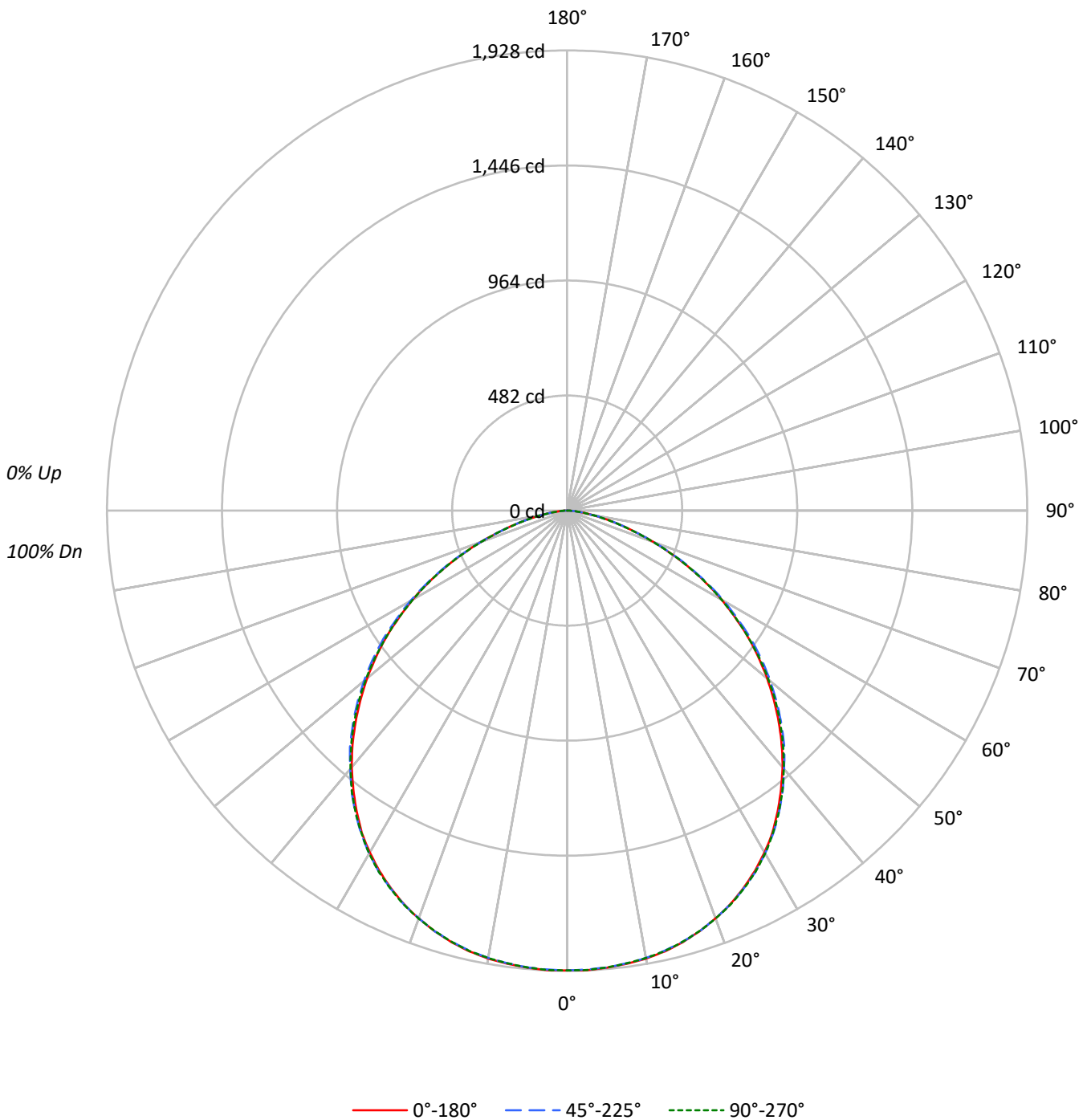
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5148.0 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 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 (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	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	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	5645	5645	5645
5°	5653	5650	5650
10°	5671	5663	5663
15°	5678	5672	5674
20°	5670	5668	5672
25°	5646	5652	5656
30°	5595	5612	5615
35°	5500	5531	5528
40°	5372	5409	5402
45°	5196	5263	5236
50°	4985	5062	5020
55°	4732	4808	4739
60°	4386	4447	4372
65°	3914	3954	3909
70°	3292	3292	3271
75°	2580	2580	2552
80°	1890	1868	1858
85°	1234	1234	1257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	3.6
10°-20°	528.0	10.3
20°-30°	805.3	15.6
30°-40°	965.1	18.7
40°-50°	974.7	18.9
50°-60°	834.0	16.2
60°-70°	562.4	10.9
70°-80°	248.1	4.8
80°-90°	47.6	0.9
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°	1516.0	29.4
0°-40°	2481.2	48.2
0°-60°	4289.9	83.3
0°-90°	5148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1922	1920	1921	1920	1921	183
15°	1872	1871	1870	1869	1870	528
25°	1746	1748	1748	1748	1750	804
35°	1538	1547	1546	1545	1546	961
45°	1254	1264	1270	1268	1264	966
55°	926	935	941	940	928	825
65°	564	569	570	569	564	558
75°	228	228	228	228	225	248
85°	37	37	37	37	37	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1926.6	1926.6	1926.6	1926.6	1926.6
2.5°	1927.8	1925.3	1924.6	1924.0	1926.6
5°	1922.0	1919.5	1920.8	1919.5	1920.8
7.5°	1914.9	1912.4	1913.1	1911.7	1913.1
10°	1906.1	1903.3	1903.3	1902.1	1903.3
12.5°	1891.7	1889.9	1889.2	1887.9	1889.9
15°	1871.8	1871.2	1869.9	1869.2	1870.5
17.5°	1847.4	1846.2	1847.4	1845.4	1846.7
20°	1818.4	1819.1	1817.9	1818.4	1819.1
22.5°	1785.6	1785.6	1786.3	1786.3	1787.6
25°	1746.4	1748.2	1748.2	1748.2	1749.6
27.5°	1702.6	1705.2	1707.0	1705.7	1707.0
30°	1653.6	1658.2	1658.7	1658.2	1659.5
32.5°	1600.8	1604.1	1605.9	1604.7	1603.4
35°	1537.7	1546.8	1546.2	1544.8	1545.5
37.5°	1471.5	1480.5	1483.6	1481.1	1481.8
40°	1404.5	1412.3	1414.1	1414.8	1412.3
42.5°	1330.5	1339.5	1346.6	1343.3	1339.5
45°	1253.9	1263.5	1270.0	1268.0	1263.5
47.5°	1174.8	1183.7	1192.7	1189.5	1185.1
50°	1093.7	1102.6	1110.4	1109.1	1101.3
52.5°	1010.6	1020.9	1028.0	1025.4	1015.1
55°	926.4	934.7	941.1	939.8	927.6
57.5°	834.9	845.8	849.1	847.1	838.2
60°	748.5	755.8	758.9	756.3	746.0
62.5°	656.5	662.3	664.9	664.3	657.2
65°	564.5	569.1	570.3	569.1	563.8
67.5°	470.0	476.3	477.1	477.1	471.8
70°	384.3	386.1	384.3	389.4	381.8
72.5°	301.2	302.5	301.2	301.2	298.0
75°	227.9	228.5	227.9	228.5	225.4
77.5°	164.8	166.0	163.5	165.5	162.2
80°	112.0	112.0	110.7	111.4	110.1
82.5°	69.5	70.8	69.0	69.0	68.2
85°	36.7	36.7	36.7	37.4	37.4
87.5°	12.9	12.9	13.4	13.4	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)