

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: P737865

Luminaire Tested: **14PT-50-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PP3-L840
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

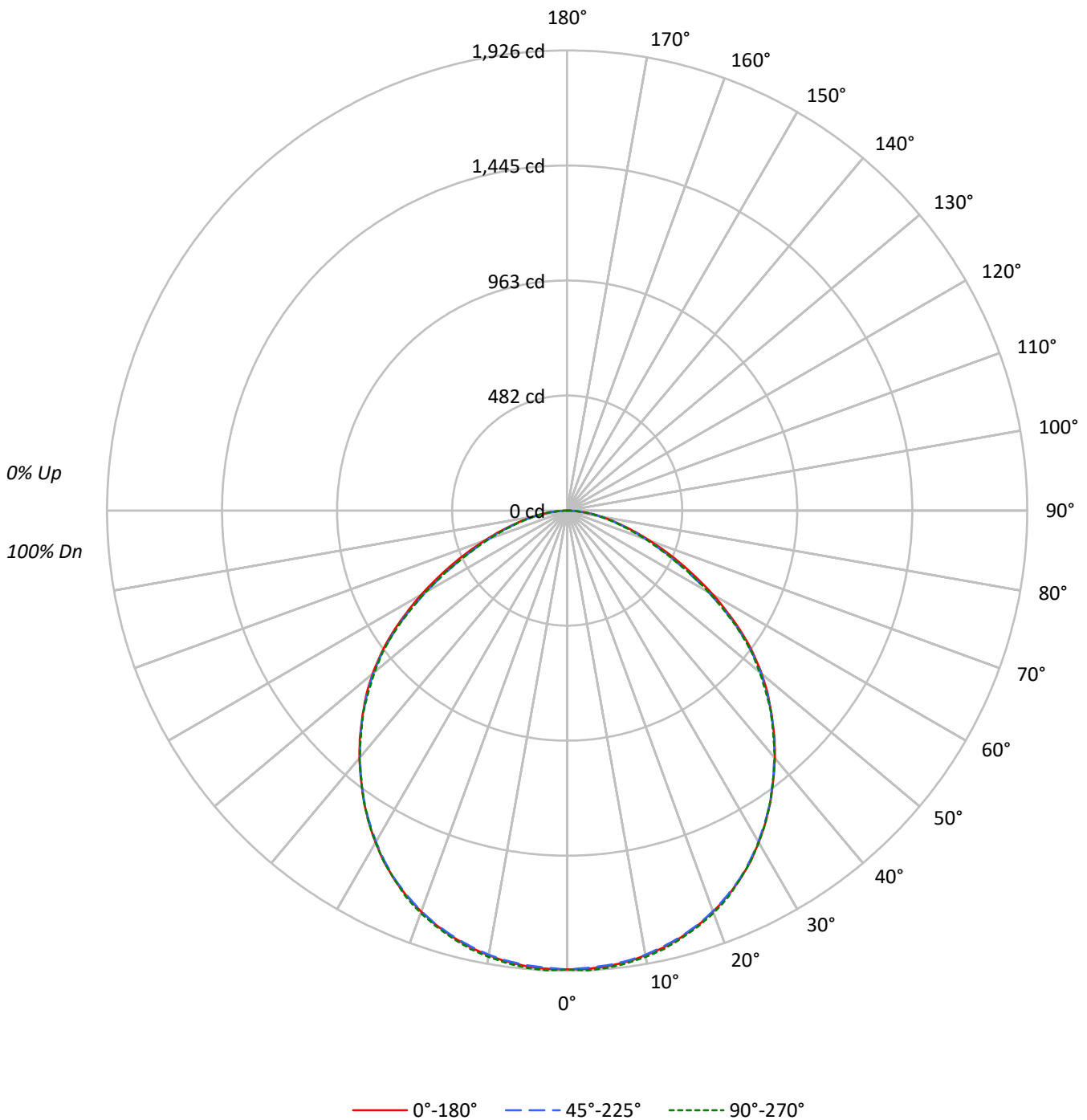
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4962.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	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	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5757	5757	5757
5°	5763	5750	5782
10°	5755	5746	5774
15°	5736	5725	5751
20°	5698	5693	5718
25°	5647	5638	5645
30°	5553	5540	5553
35°	5431	5424	5429
40°	5293	5276	5290
45°	5134	5119	5125
50°	4961	4938	4903
55°	4671	4616	4602
60°	4238	4096	4104
65°	3724	3536	3531
70°	3221	3073	3036
75°	2786	2680	2624
80°	2467	2431	2322
85°	2040	2109	1992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	3.7
10°-20°	521.8	10.5
20°-30°	785.5	15.8
30°-40°	927.1	18.7
40°-50°	932.4	18.8
50°-60°	787.1	15.9
60°-70°	505.5	10.2
70°-80°	251.4	5.1
80°-90°	68.9	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°	1489.4	30.0
0°-40°	2416.5	48.7
0°-60°	4136.1	83.4
0°-90°	4962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1920	1920	1920	1920	1920	
5°	1915	1916	1911	1920	1921	182
15°	1848	1849	1844	1853	1853	521
25°	1707	1708	1704	1708	1706	785
35°	1484	1485	1482	1483	1483	927
45°	1211	1215	1207	1209	1209	934
55°	894	893	883	880	880	795
65°	525	517	498	494	498	523
75°	240	239	231	229	226	260
85°	59	61	61	58	58	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1920.4	1920.4	1920.4	1920.4	1920.4
2.5°	1919.7	1920.4	1915.5	1924.6	1926.0
5°	1914.8	1915.5	1910.6	1919.7	1921.1
7.5°	1905.1	1905.8	1901.6	1909.9	1911.3
10°	1890.4	1892.5	1887.6	1895.3	1896.7
12.5°	1872.3	1873.0	1868.1	1877.2	1878.6
15°	1847.9	1848.6	1844.4	1852.8	1852.8
17.5°	1820.0	1820.7	1817.9	1824.9	1824.2
20°	1785.9	1788.0	1784.5	1789.4	1792.1
22.5°	1748.9	1749.6	1745.4	1751.7	1754.5
25°	1707.1	1707.8	1704.3	1707.8	1706.4
27.5°	1658.3	1659.7	1654.8	1658.3	1659.0
30°	1603.9	1607.4	1600.4	1603.2	1603.9
32.5°	1545.4	1547.5	1542.6	1543.3	1546.8
35°	1484.0	1484.7	1481.9	1483.3	1483.3
37.5°	1417.8	1420.6	1416.4	1418.5	1415.7
40°	1352.3	1349.5	1348.1	1349.5	1351.6
42.5°	1283.3	1284.0	1281.9	1280.5	1277.0
45°	1210.8	1215.0	1207.3	1208.7	1208.7
47.5°	1139.7	1140.4	1136.2	1132.0	1129.2
50°	1063.7	1063.7	1058.8	1055.3	1051.2
52.5°	980.8	979.4	973.8	970.3	972.4
55°	893.6	892.9	883.2	879.7	880.4
57.5°	798.1	799.5	784.9	781.4	781.4
60°	706.8	699.8	683.1	678.2	684.5
62.5°	611.3	603.0	584.8	584.8	589.7
65°	524.9	517.2	498.4	493.5	497.7
67.5°	444.0	437.1	419.6	416.8	418.2
70°	367.4	361.1	350.6	344.3	346.4
72.5°	301.1	295.6	288.6	283.7	280.9
75°	240.5	239.1	231.4	229.3	226.5
77.5°	190.3	189.6	183.3	180.5	177.8
80°	142.9	142.2	140.8	136.6	134.5
82.5°	101.8	101.8	101.1	97.6	95.5
85°	59.3	61.3	61.3	57.9	57.9
87.5°	23.7	25.1	23.7	23.7	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)