

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: P737880

Luminaire Tested: **14PT-50-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PW1-L835
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

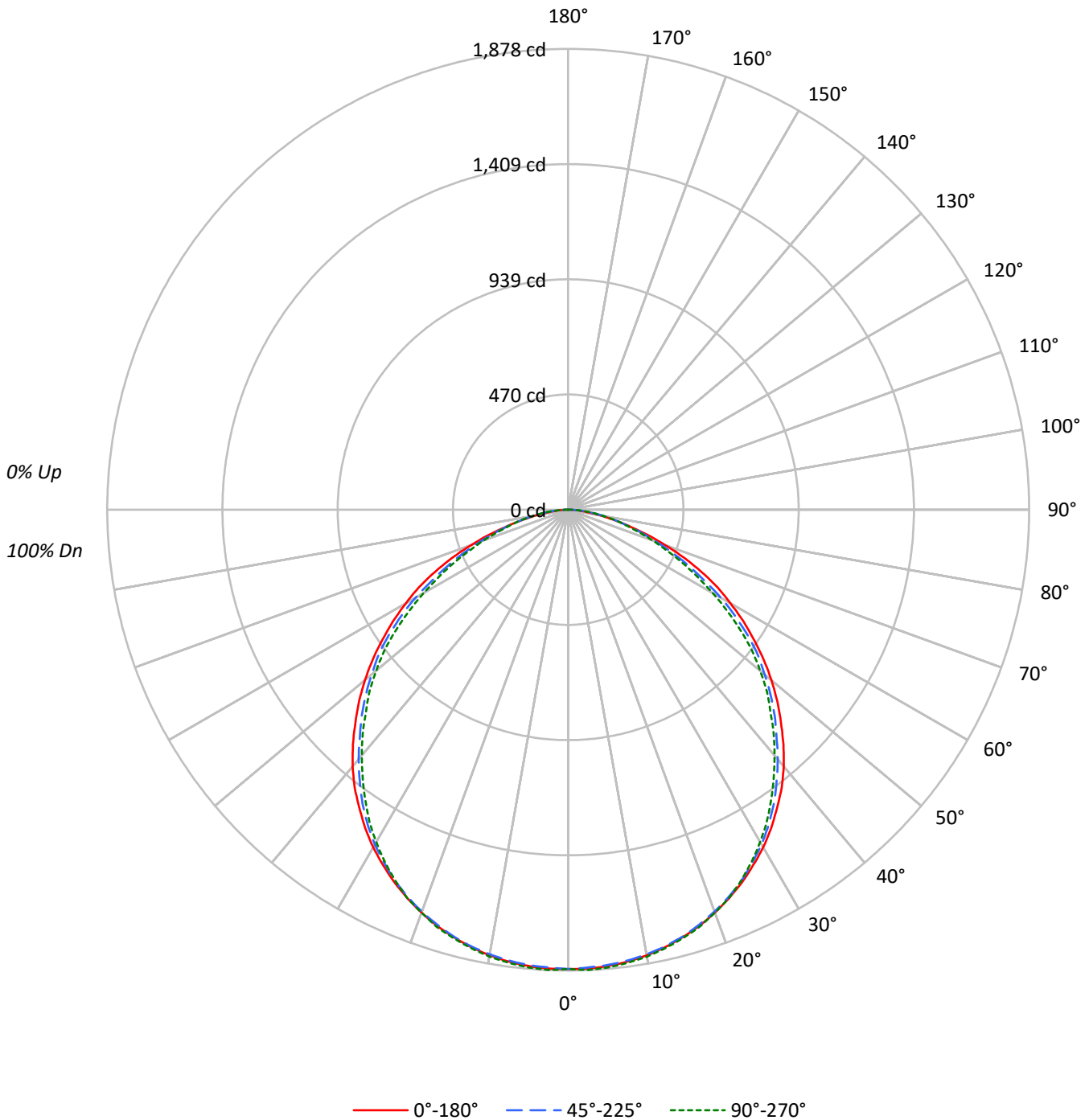
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4968.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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	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	57	68	61	56		66	60	55		64	59	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	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°	5613	5613	5613
5°	5618	5605	5634
10°	5615	5602	5630
15°	5597	5589	5610
20°	5574	5561	5574
25°	5544	5521	5516
30°	5501	5453	5415
35°	5428	5346	5278
40°	5345	5199	5117
45°	5196	5044	4941
50°	5041	4875	4762
55°	4829	4666	4481
60°	4579	4309	4084
65°	4237	3848	3656
70°	3673	3350	3222
75°	2933	2868	2788
80°	2227	2491	2491
85°	1648	2122	2122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.5	3.6
10°-20°	509.2	10.2
20°-30°	769.6	15.5
30°-40°	913.8	18.4
40°-50°	920.7	18.5
50°-60°	795.8	16.0
60°-70°	543.9	10.9
70°-80°	268.2	5.4
80°-90°	69.4	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°	1456.3	29.3
0°-40°	2370.1	47.7
0°-60°	4086.6	82.3
0°-90°	4968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1867	1867	1862	1870	1872	177
15°	1803	1806	1801	1807	1808	509
25°	1676	1674	1669	1670	1668	772
35°	1483	1478	1461	1448	1442	928
45°	1226	1212	1190	1176	1165	946
55°	924	921	893	866	857	826
65°	597	576	542	519	515	589
75°	253	251	248	248	241	276
85°	48	56	62	63	62	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1872.1	1872.1	1872.1	1872.1	1872.1
2.5°	1871.4	1872.1	1867.2	1875.6	1877.6
5°	1866.6	1867.2	1862.4	1870.0	1872.1
7.5°	1857.5	1858.9	1853.4	1861.0	1862.4
10°	1844.4	1845.0	1840.2	1847.8	1849.2
12.5°	1826.3	1827.0	1822.9	1829.8	1829.8
15°	1803.4	1805.5	1800.7	1806.9	1807.6
17.5°	1777.8	1778.5	1773.6	1780.5	1781.9
20°	1747.2	1747.2	1743.1	1748.6	1747.2
22.5°	1713.3	1713.3	1708.4	1711.2	1712.6
25°	1675.8	1674.4	1668.9	1670.3	1667.5
27.5°	1632.8	1632.8	1623.1	1623.1	1618.2
30°	1589.1	1585.6	1575.2	1569.0	1564.1
32.5°	1539.2	1534.3	1521.1	1510.0	1506.6
35°	1483.0	1478.1	1460.8	1447.6	1442.1
37.5°	1428.9	1417.8	1394.9	1381.7	1375.5
40°	1365.8	1351.9	1328.3	1310.3	1307.5
42.5°	1297.8	1286.7	1256.2	1243.0	1239.5
45°	1225.6	1212.5	1189.6	1175.7	1165.3
47.5°	1154.9	1145.2	1118.8	1102.2	1098.7
50°	1080.7	1072.3	1045.3	1027.3	1021.0
52.5°	1003.7	998.1	975.2	952.4	944.7
55°	923.9	921.1	892.7	866.3	857.3
57.5°	845.5	842.1	806.7	776.2	767.8
60°	763.7	753.3	718.6	690.2	681.1
62.5°	686.0	663.8	626.3	604.1	593.7
65°	597.2	575.7	542.4	518.8	515.4
67.5°	509.8	484.2	458.5	443.9	432.8
70°	419.0	401.6	382.2	369.7	367.6
72.5°	334.3	321.8	312.1	304.5	298.3
75°	253.2	251.1	247.6	247.6	240.7
77.5°	185.9	190.7	193.5	192.8	194.2
80°	129.0	138.7	144.3	145.0	144.3
82.5°	81.8	92.9	102.0	103.4	104.7
85°	47.9	56.2	61.7	63.1	61.7
87.5°	21.5	27.1	28.4	29.8	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)