

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: P738352

Luminaire Tested: **22PT-50-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738352
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-L835
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

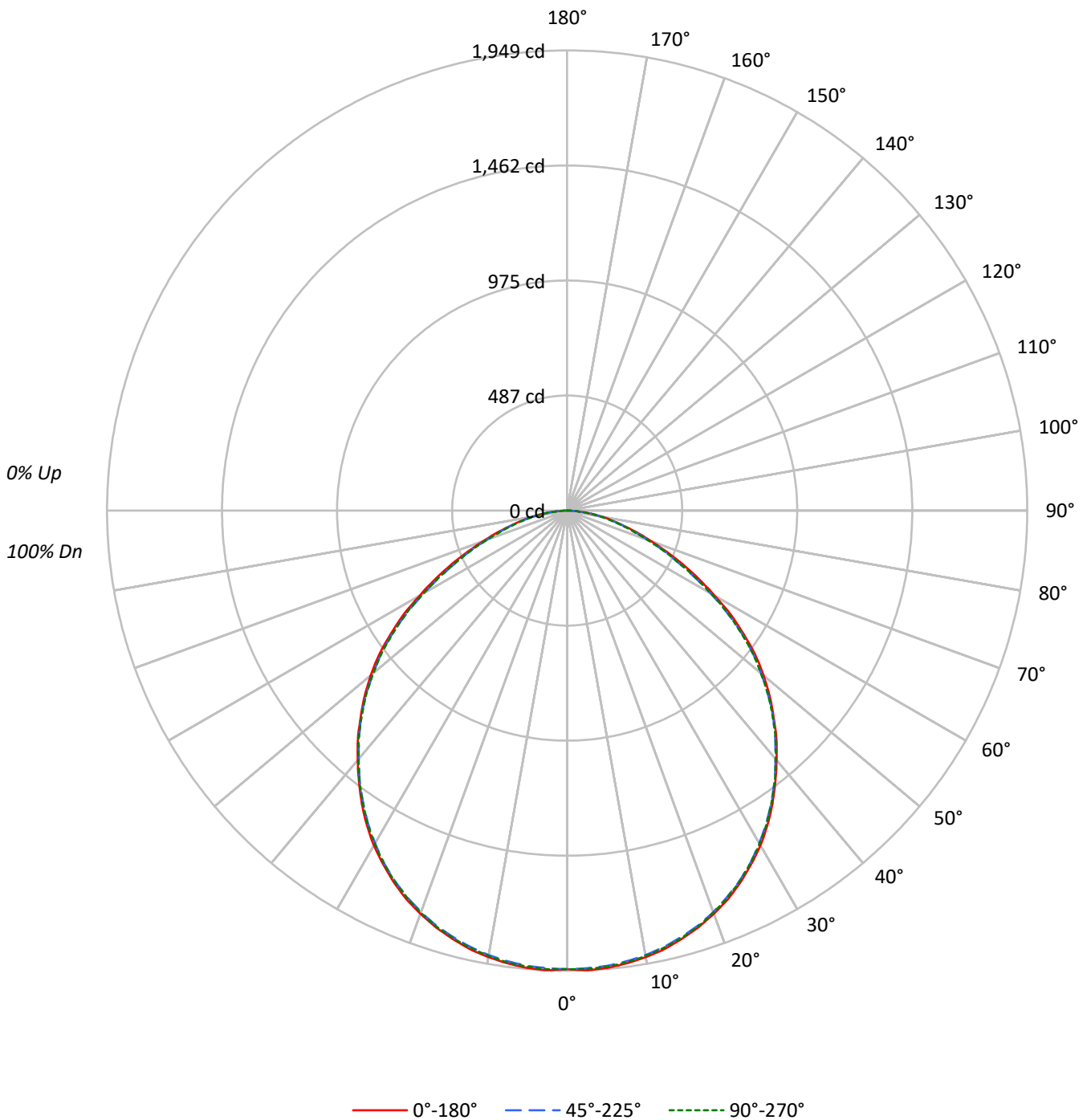
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5058.0 lumens
Efficiency: N/A
Efficacy: 128.7 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°	5691	5691	5691
5°	5719	5693	5704
10°	5715	5687	5698
15°	5696	5671	5684
20°	5666	5642	5651
25°	5615	5590	5597
30°	5541	5506	5513
35°	5423	5393	5397
40°	5279	5252	5256
45°	5126	5108	5101
50°	4949	4893	4881
55°	4662	4601	4576
60°	4233	4110	4120
65°	3763	3588	3588
70°	3225	3108	3084
75°	2799	2736	2674
80°	2518	2415	2369
85°	2000	2017	1906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	3.6
10°-20°	528.1	10.4
20°-30°	796.7	15.8
30°-40°	943.6	18.7
40°-50°	949.9	18.8
50°-60°	803.2	15.9
60°-70°	522.3	10.3
70°-80°	259.9	5.1
80°-90°	70.0	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°	1509.0	29.8
0°-40°	2452.6	48.5
0°-60°	4205.8	83.2
0°-90°	5058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1944	1937	1936	1934	1939	185
15°	1878	1872	1870	1869	1874	530
25°	1737	1731	1729	1728	1731	800
35°	1516	1510	1508	1508	1509	948
45°	1237	1233	1233	1231	1231	955
55°	913	905	901	897	896	815
65°	543	528	518	514	518	539
75°	247	247	242	235	236	268
85°	60	61	60	60	57	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1942.2	1942.2	1942.2	1942.2	1942.2
2.5°	1948.8	1942.2	1940.0	1938.9	1943.8
5°	1944.4	1937.2	1935.6	1934.5	1939.4
7.5°	1934.5	1927.9	1925.7	1925.1	1930.1
10°	1920.7	1914.1	1911.4	1910.3	1915.2
12.5°	1903.1	1896.0	1893.2	1892.1	1896.5
15°	1877.8	1871.7	1869.5	1869.0	1873.9
17.5°	1850.3	1844.2	1843.1	1841.5	1846.4
20°	1817.2	1811.2	1809.5	1807.3	1812.3
22.5°	1780.9	1773.7	1771.5	1769.9	1773.7
25°	1736.9	1730.8	1729.1	1727.5	1731.3
27.5°	1688.4	1684.0	1681.8	1680.2	1682.4
30°	1637.8	1630.1	1627.3	1626.2	1629.5
32.5°	1579.4	1573.9	1570.1	1569.5	1573.4
35°	1516.1	1509.5	1507.8	1507.8	1508.9
37.5°	1448.9	1445.6	1442.9	1441.2	1444.5
40°	1380.1	1379.0	1373.0	1372.4	1374.1
42.5°	1312.4	1308.0	1303.6	1305.8	1306.9
45°	1237.0	1232.6	1232.6	1230.9	1230.9
47.5°	1164.3	1159.9	1153.9	1154.4	1155.5
50°	1085.6	1080.1	1073.5	1077.3	1070.7
52.5°	1005.2	995.3	990.4	990.4	989.8
55°	912.7	905.0	900.6	896.8	895.7
57.5°	823.6	812.0	801.0	802.1	805.9
60°	722.3	716.8	701.3	702.4	703.0
62.5°	630.9	620.4	604.5	604.5	610.0
65°	542.8	527.9	517.5	513.6	517.5
67.5°	456.4	448.1	439.3	433.3	438.8
70°	376.5	372.1	362.8	356.7	360.0
72.5°	311.6	305.5	297.8	294.5	291.2
75°	247.2	247.2	241.7	235.1	236.2
77.5°	194.9	193.2	189.4	186.6	186.6
80°	149.2	147.5	143.1	142.0	140.4
82.5°	102.9	103.5	101.3	99.6	97.4
85°	59.5	60.6	60.0	60.0	56.7
87.5°	25.3	23.1	24.8	24.2	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)