

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: P738314

Luminaire Tested: **22PT-60-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PW1-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

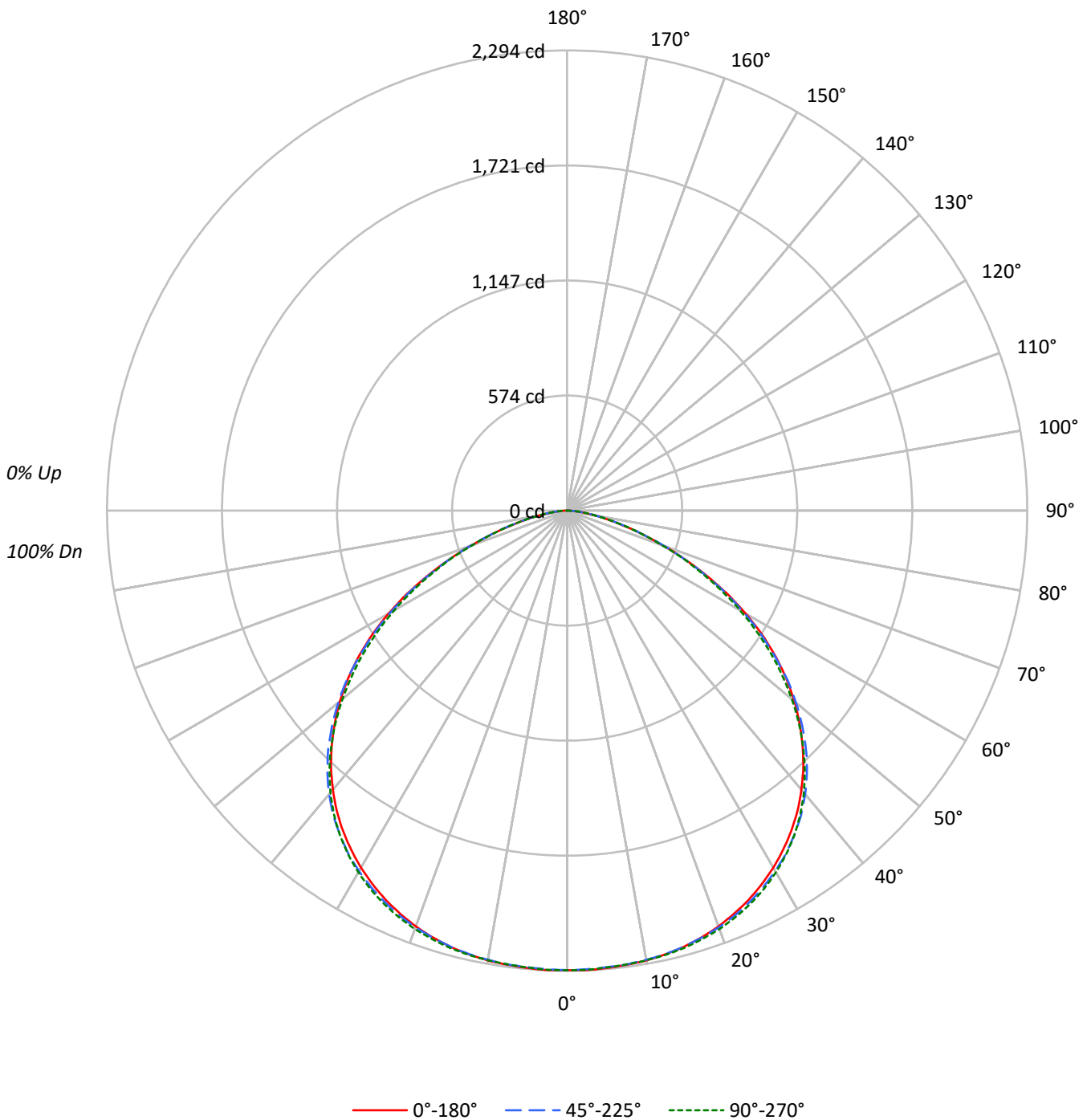
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6623.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6713	6713	6713
5°	6731	6722	6724
10°	6776	6766	6773
15°	6828	6826	6846
20°	6879	6894	6922
25°	6920	6960	6992
30°	6954	7020	7046
35°	6971	7062	7065
40°	6950	7062	7023
45°	6882	6980	6895
50°	6741	6790	6666
55°	6480	6451	6329
60°	6032	5964	5840
65°	5319	5268	5167
70°	4357	4378	4286
75°	3300	3411	3384
80°	2391	2487	2447
85°	1567	1624	1735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.3
10°-20°	636.3	9.6
20°-30°	992.1	15.0
30°-40°	1229.6	18.6
40°-50°	1286.6	19.4
50°-60°	1121.2	16.9
60°-70°	751.0	11.3
70°-80°	325.6	4.9
80°-90°	62.7	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°	1846.2	27.9
0°-40°	3075.8	46.4
0°-60°	5483.7	82.8
0°-90°	6623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2291	2291	2291	2291	2291	
5°	2289	2286	2285	2285	2286	218
15°	2251	2248	2250	2253	2257	636
25°	2141	2141	2153	2159	2163	987
35°	1949	1956	1974	1977	1975	1218
45°	1661	1670	1684	1670	1664	1279
55°	1268	1268	1263	1249	1239	1129
65°	767	763	760	753	745	759
75°	292	296	301	299	299	321
85°	47	50	48	49	52	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2291.2	2291.2	2291.2	2291.2	2291.2
2.5°	2293.6	2289.5	2288.6	2288.6	2291.2
5°	2288.6	2286.2	2285.4	2284.7	2286.2
7.5°	2283.8	2280.6	2281.4	2279.7	2281.4
10°	2277.3	2274.0	2274.0	2274.0	2276.4
12.5°	2265.8	2263.4	2264.2	2265.8	2269.0
15°	2251.0	2247.7	2250.3	2252.7	2256.8
17.5°	2230.5	2228.1	2232.2	2236.4	2239.6
20°	2206.1	2203.5	2210.9	2216.8	2220.0
22.5°	2175.6	2175.0	2184.8	2191.3	2193.7
25°	2140.6	2141.2	2152.8	2159.3	2162.6
27.5°	2100.3	2102.0	2116.9	2122.5	2125.8
30°	2055.5	2059.4	2075.0	2079.8	2082.5
32.5°	2004.5	2010.4	2029.1	2032.4	2032.4
35°	1949.0	1956.2	1974.2	1976.6	1975.1
37.5°	1886.7	1894.8	1915.2	1912.0	1909.6
40°	1817.1	1826.0	1846.4	1839.9	1836.0
42.5°	1742.6	1751.5	1769.6	1759.8	1753.9
45°	1660.7	1669.7	1684.5	1670.5	1664.0
47.5°	1572.1	1582.8	1590.2	1574.7	1566.5
50°	1478.9	1482.2	1489.6	1471.5	1462.4
52.5°	1377.3	1377.3	1383.1	1363.3	1352.7
55°	1268.4	1267.5	1262.8	1248.8	1239.0
57.5°	1153.0	1148.0	1144.7	1129.9	1118.6
60°	1029.4	1022.0	1017.8	1005.6	996.5
62.5°	900.0	895.9	890.9	881.1	871.3
65°	767.2	763.1	759.8	752.6	745.2
67.5°	635.5	632.9	632.9	628.1	627.2
70°	508.6	510.1	511.0	511.0	500.3
72.5°	393.8	394.7	398.9	395.6	394.7
75°	291.5	296.5	301.3	298.9	298.9
77.5°	209.7	217.1	217.1	215.3	212.9
80°	141.7	145.0	147.4	146.5	145.0
82.5°	90.1	92.5	90.1	91.7	92.5
85°	46.6	49.9	48.3	49.2	51.6
87.5°	15.5	17.2	18.1	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)