

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: P738306

Luminaire Tested: **22PT-60-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738306
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-60-PR1-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

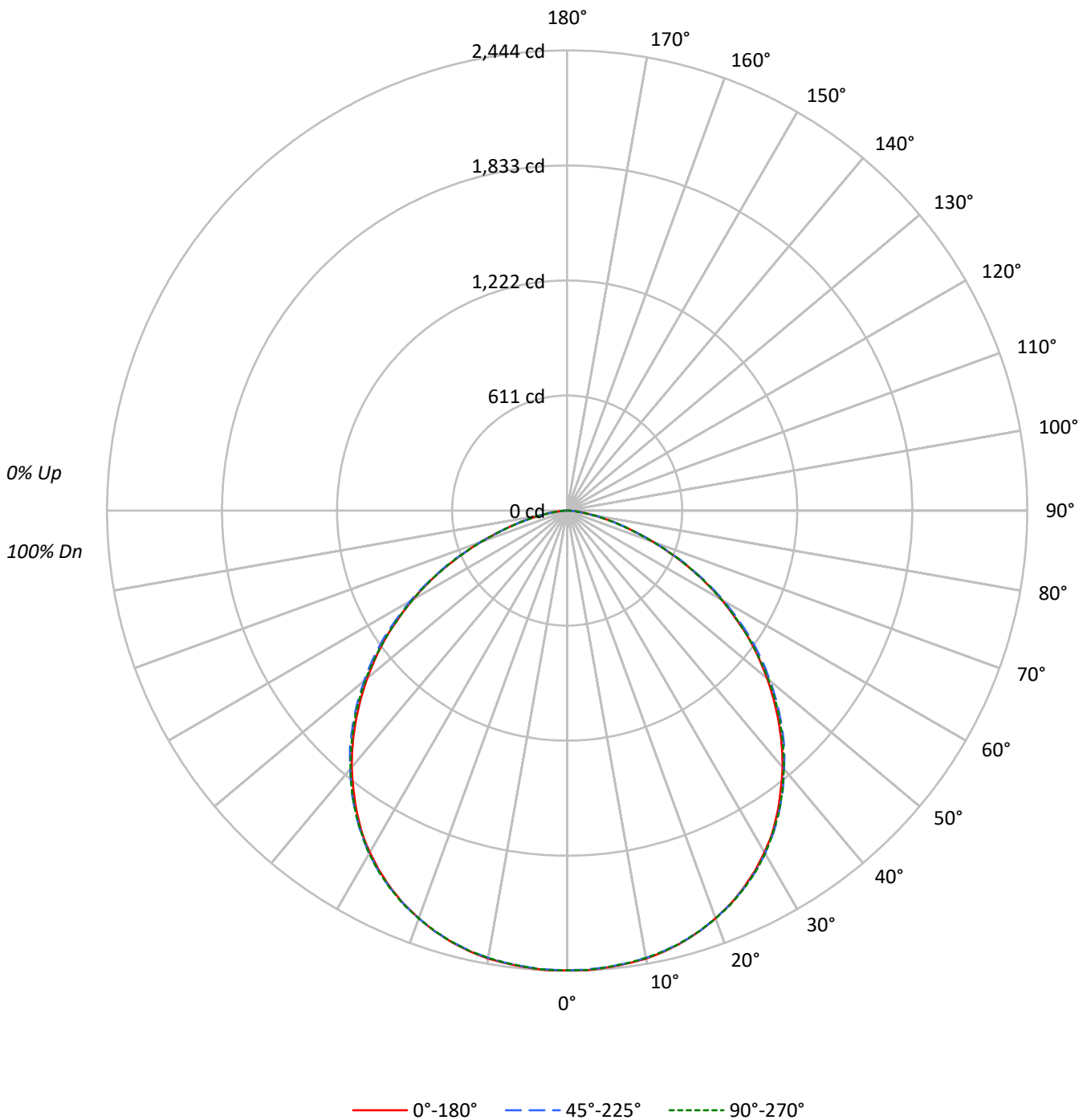
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525.0 lumens
Efficiency: N/A
Efficacy: 126.0 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): 51.8
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°	7155	7155	7155
5°	7165	7160	7160
10°	7188	7178	7178
15°	7196	7190	7192
20°	7187	7184	7189
25°	7156	7164	7169
30°	7091	7113	7116
35°	6971	7010	7007
40°	6809	6856	6847
45°	6586	6671	6636
50°	6319	6415	6363
55°	5998	6093	6006
60°	5560	5636	5541
65°	4961	5012	4954
70°	4173	4173	4146
75°	3271	3271	3234
80°	2394	2367	2356
85°	1563	1563	1594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.6	3.6
10°-20°	669.2	10.3
20°-30°	1020.7	15.6
30°-40°	1223.3	18.7
40°-50°	1235.5	18.9
50°-60°	1057.0	16.2
60°-70°	712.8	10.9
70°-80°	314.5	4.8
80°-90°	60.4	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°	1921.5	29.4
0°-40°	3144.9	48.2
0°-60°	5437.4	83.3
0°-90°	6525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2442	2442	2442	2442	2442	
5°	2436	2433	2434	2433	2434	232
15°	2372	2372	2370	2369	2371	670
25°	2214	2216	2216	2216	2218	1020
35°	1949	1960	1960	1958	1959	1218
45°	1589	1602	1610	1607	1602	1225
55°	1174	1185	1193	1191	1176	1046
65°	716	721	723	721	715	707
75°	289	290	289	290	286	314
85°	46	46	46	47	47	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2443.5	2440.3	2439.4	2438.7	2441.9
5°	2436.1	2432.9	2434.5	2432.9	2434.5
7.5°	2427.2	2423.9	2424.9	2423.0	2424.9
10°	2415.9	2412.4	2412.4	2410.8	2412.4
12.5°	2397.7	2395.4	2394.5	2392.9	2395.4
15°	2372.4	2371.7	2370.1	2369.2	2370.8
17.5°	2341.6	2340.0	2341.6	2339.1	2340.7
20°	2304.8	2305.7	2304.1	2304.8	2305.7
22.5°	2263.2	2263.2	2264.1	2264.1	2265.7
25°	2213.5	2215.8	2215.8	2215.8	2217.6
27.5°	2158.1	2161.3	2163.6	2162.0	2163.6
30°	2096.0	2101.7	2102.4	2101.7	2103.3
32.5°	2029.0	2033.2	2035.5	2033.9	2032.3
35°	1949.0	1960.5	1959.8	1958.0	1958.9
37.5°	1865.0	1876.5	1880.5	1877.2	1878.2
40°	1780.2	1790.1	1792.4	1793.3	1790.1
42.5°	1686.3	1697.8	1706.8	1702.7	1697.8
45°	1589.3	1601.5	1609.8	1607.2	1601.5
47.5°	1489.0	1500.3	1511.8	1507.6	1502.1
50°	1386.2	1397.5	1407.4	1405.7	1395.9
52.5°	1280.9	1294.0	1302.9	1299.7	1286.6
55°	1174.1	1184.7	1192.8	1191.2	1175.7
57.5°	1058.2	1072.0	1076.2	1073.6	1062.4
60°	948.7	957.9	961.8	958.6	945.5
62.5°	832.1	839.5	842.7	842.0	833.1
65°	715.5	721.3	722.9	721.3	714.6
67.5°	595.7	603.7	604.7	604.7	598.0
70°	487.1	489.4	487.1	493.6	483.9
72.5°	381.8	383.4	381.8	381.8	377.7
75°	288.9	289.6	288.9	289.6	285.7
77.5°	208.8	210.4	207.2	209.8	205.6
80°	141.9	141.9	140.3	141.2	139.6
82.5°	88.1	89.7	87.4	87.4	86.5
85°	46.5	46.5	46.5	47.4	47.4
87.5°	16.3	16.3	17.0	17.0	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)