

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: P738287

Luminaire Tested: **22PT-60-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PL1-L830
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

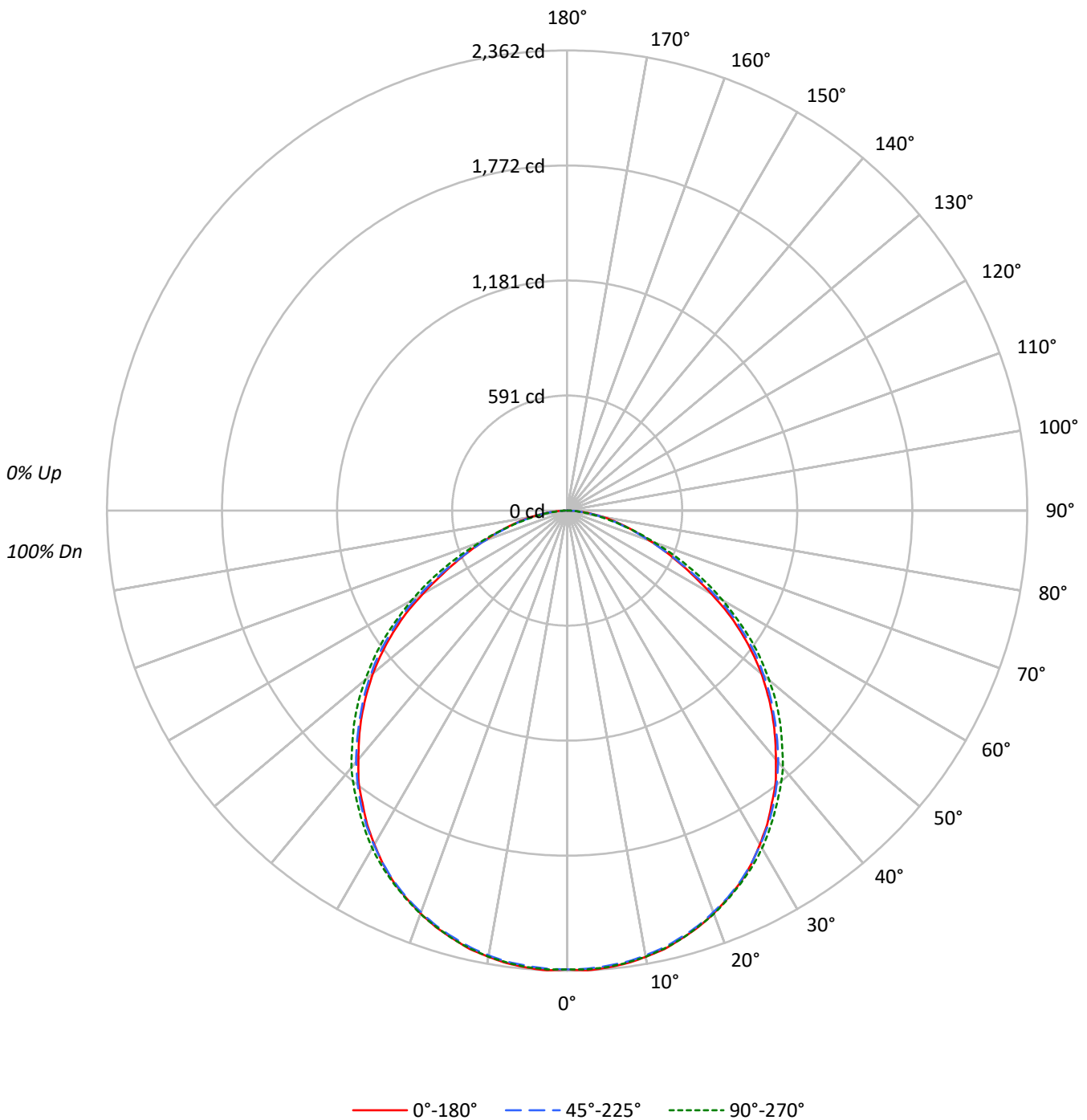
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6205.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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°	6901	6901	6901
5°	6927	6901	6918
10°	6922	6898	6916
15°	6897	6876	6900
20°	6861	6840	6868
25°	6807	6794	6823
30°	6694	6708	6771
35°	6553	6599	6677
40°	6374	6446	6590
45°	6179	6232	6409
50°	5935	6007	6169
55°	5573	5684	5861
60°	5010	5179	5400
65°	4389	4479	4815
70°	3853	3820	4066
75°	3466	3320	3332
80°	3110	2943	2626
85°	2464	2431	1997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	3.6
10°-20°	640.5	10.3
20°-30°	968.7	15.6
30°-40°	1155.0	18.6
40°-50°	1166.2	18.8
50°-60°	994.8	16.0
60°-70°	653.8	10.5
70°-80°	320.1	5.2
80°-90°	82.5	1.3
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°	1832.6	29.5
0°-40°	2987.6	48.1
0°-60°	5148.7	83.0
0°-90°	6205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2355	2355	2355	2355	2355	
5°	2355	2350	2346	2346	2352	224
15°	2274	2270	2267	2268	2275	642
25°	2105	2100	2101	2104	2110	968
35°	1832	1837	1845	1858	1867	1146
45°	1491	1495	1504	1534	1547	1149
55°	1091	1097	1113	1138	1147	971
65°	633	633	646	676	694	634
75°	306	303	293	291	294	328
85°	73	73	72	66	59	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2355.1	2355.1	2355.1	2355.1	2355.1
2.5°	2362.0	2357.1	2354.1	2352.1	2357.1
5°	2355.1	2350.1	2346.2	2346.2	2352.1
7.5°	2344.2	2339.2	2336.3	2335.3	2341.2
10°	2326.4	2320.4	2318.4	2317.4	2324.4
12.5°	2305.5	2296.6	2296.6	2295.6	2302.6
15°	2273.8	2269.9	2266.9	2267.9	2274.8
17.5°	2241.1	2237.2	2235.2	2235.2	2239.2
20°	2200.5	2195.6	2193.6	2195.6	2202.5
22.5°	2154.0	2151.0	2151.0	2153.0	2157.9
25°	2105.4	2100.5	2101.4	2104.4	2110.4
27.5°	2046.0	2045.0	2045.0	2051.9	2058.8
30°	1978.6	1978.6	1982.6	1992.5	2001.4
32.5°	1910.2	1909.2	1917.2	1926.1	1936.0
35°	1832.0	1836.9	1844.8	1857.7	1866.6
37.5°	1758.6	1757.6	1767.6	1790.3	1796.3
40°	1666.5	1673.4	1685.3	1708.1	1723.0
42.5°	1580.3	1585.3	1596.1	1622.9	1632.8
45°	1491.1	1495.1	1504.0	1533.7	1546.6
47.5°	1397.0	1402.0	1414.8	1439.6	1454.5
50°	1301.9	1308.8	1317.7	1341.5	1353.4
52.5°	1197.9	1206.8	1222.6	1244.4	1253.3
55°	1090.9	1096.8	1112.6	1138.4	1147.3
57.5°	978.9	983.8	1006.6	1025.5	1032.4
60°	855.0	861.0	883.8	913.5	921.4
62.5°	738.1	743.1	762.9	798.6	810.5
65°	633.1	633.1	646.0	675.7	694.5
67.5°	540.0	538.0	540.0	562.8	582.6
70°	449.8	450.8	445.9	459.7	474.6
72.5°	375.5	375.5	365.6	367.6	379.5
75°	306.2	303.2	293.3	291.3	294.3
77.5°	244.7	239.8	231.8	225.9	219.0
80°	184.3	180.3	174.4	165.5	155.6
82.5°	128.8	124.8	120.9	115.9	106.0
85°	73.3	73.3	72.3	66.4	59.4
87.5°	29.7	28.7	27.7	26.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)