

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: P738223

Luminaire Tested: **22PT-50-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PB1-L830
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

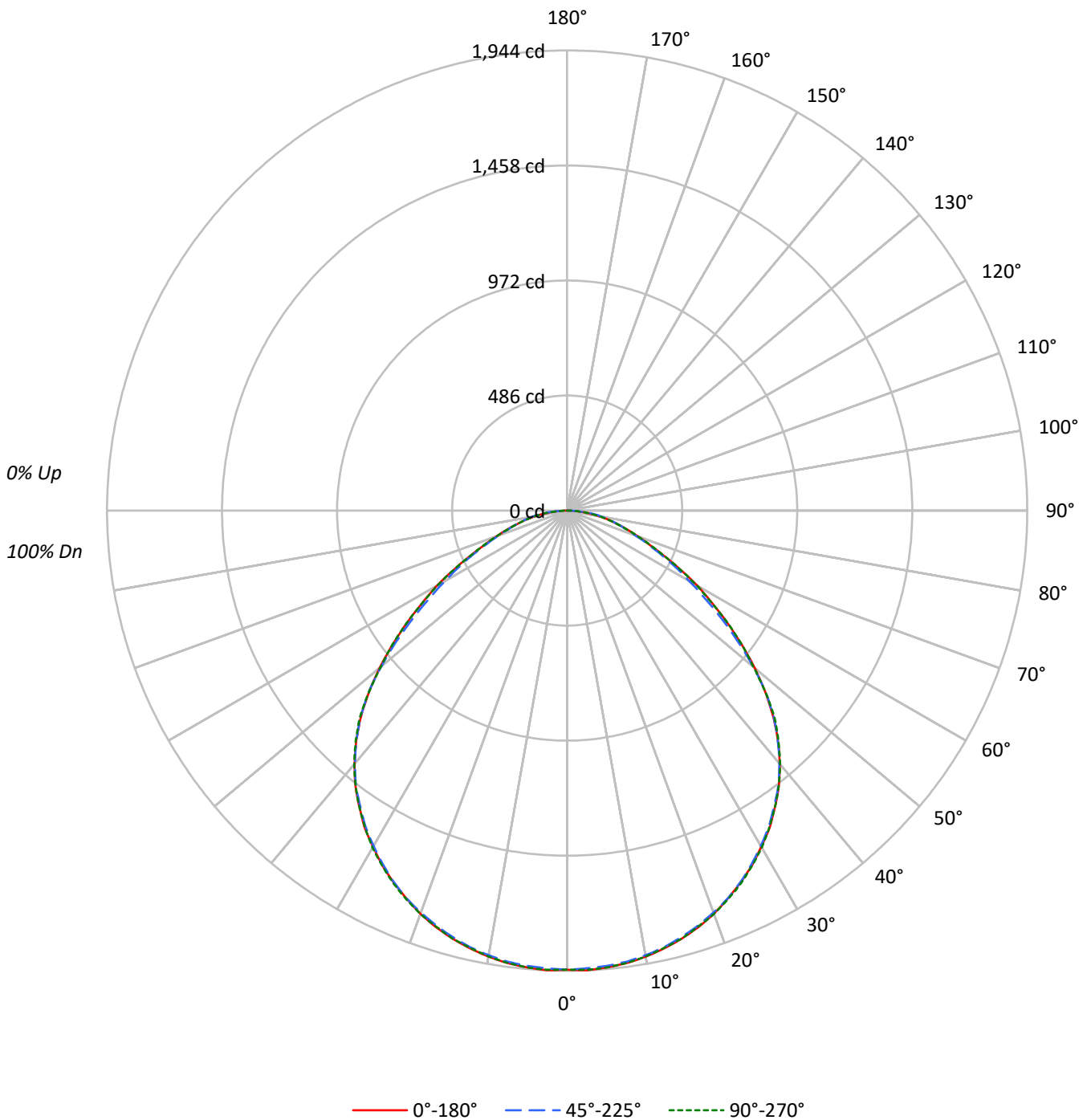
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4890.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64					62				
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5683	5683	5683
5°	5698	5679	5698
10°	5693	5674	5691
15°	5680	5659	5678
20°	5652	5634	5654
25°	5605	5600	5618
30°	5548	5535	5564
35°	5474	5454	5474
40°	5346	5335	5353
45°	5106	5116	5136
50°	4715	4676	4683
55°	4213	4072	4229
60°	3719	3493	3696
65°	3116	3017	3116
70°	2702	2627	2715
75°	2463	2500	2463
80°	2315	2514	2329
85°	2014	2464	2068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	3.8
10°-20°	527.4	10.8
20°-30°	798.6	16.3
30°-40°	955.1	19.5
40°-50°	945.7	19.3
50°-60°	727.1	14.9
60°-70°	442.8	9.1
70°-80°	234.4	4.8
80°-90°	75.0	1.5
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°	1509.9	30.9
0°-40°	2465.0	50.4
0°-60°	4137.8	84.6
0°-90°	4890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1940	1940	1940	1940	1940	
5°	1937	1936	1931	1934	1937	184
15°	1872	1869	1865	1869	1872	528
25°	1734	1732	1732	1734	1738	799
35°	1530	1529	1525	1530	1530	956
45°	1232	1233	1235	1235	1239	945
55°	825	814	797	811	828	740
65°	449	438	435	434	449	454
75°	218	218	221	219	218	234
85°	60	69	73	69	62	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1939.5	1939.5	1939.5	1939.5	1939.5
2.5°	1944.2	1941.1	1935.5	1939.5	1941.8
5°	1937.1	1936.3	1930.8	1934.0	1937.1
7.5°	1928.4	1926.1	1922.1	1925.3	1927.7
10°	1913.5	1911.9	1907.2	1911.1	1912.7
12.5°	1894.5	1893.0	1889.8	1893.0	1892.2
15°	1872.5	1869.3	1865.4	1869.3	1871.7
17.5°	1844.9	1841.7	1838.6	1840.9	1842.5
20°	1812.5	1807.8	1807.0	1810.2	1813.3
22.5°	1773.9	1773.9	1773.1	1775.5	1777.1
25°	1733.7	1732.1	1732.1	1734.5	1737.6
27.5°	1690.3	1687.2	1685.6	1689.6	1691.9
30°	1639.9	1639.1	1635.9	1642.3	1644.6
32.5°	1591.0	1583.1	1584.7	1587.9	1588.6
35°	1530.3	1528.7	1524.8	1529.5	1530.3
37.5°	1468.8	1468.0	1465.6	1467.2	1468.0
40°	1397.8	1397.1	1394.7	1397.8	1399.4
42.5°	1319.0	1317.4	1317.4	1319.8	1322.2
45°	1232.3	1233.1	1234.6	1235.4	1239.4
47.5°	1135.3	1136.9	1138.5	1136.9	1137.7
50°	1034.4	1033.6	1025.7	1031.2	1027.3
52.5°	928.0	916.1	909.8	922.4	931.1
55°	824.7	813.6	797.1	811.3	827.8
57.5°	725.3	706.4	689.1	705.6	722.2
60°	634.7	605.5	596.0	606.3	630.7
62.5°	537.7	517.2	514.0	515.6	536.9
65°	449.4	438.4	435.2	434.4	449.4
67.5°	376.9	369.8	365.8	369.0	378.4
70°	315.4	312.2	306.7	312.2	316.9
72.5°	264.9	264.1	259.4	264.1	262.5
75°	217.6	217.6	220.8	219.2	217.6
77.5°	177.4	179.0	184.5	179.8	175.0
80°	137.2	141.1	149.0	141.9	138.0
82.5°	97.8	106.4	115.1	106.4	100.9
85°	59.9	68.6	73.3	69.4	61.5
87.5°	26.0	30.7	32.3	30.0	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)