

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: P738562

Luminaire Tested: **24PT-50-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PC3-L850
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

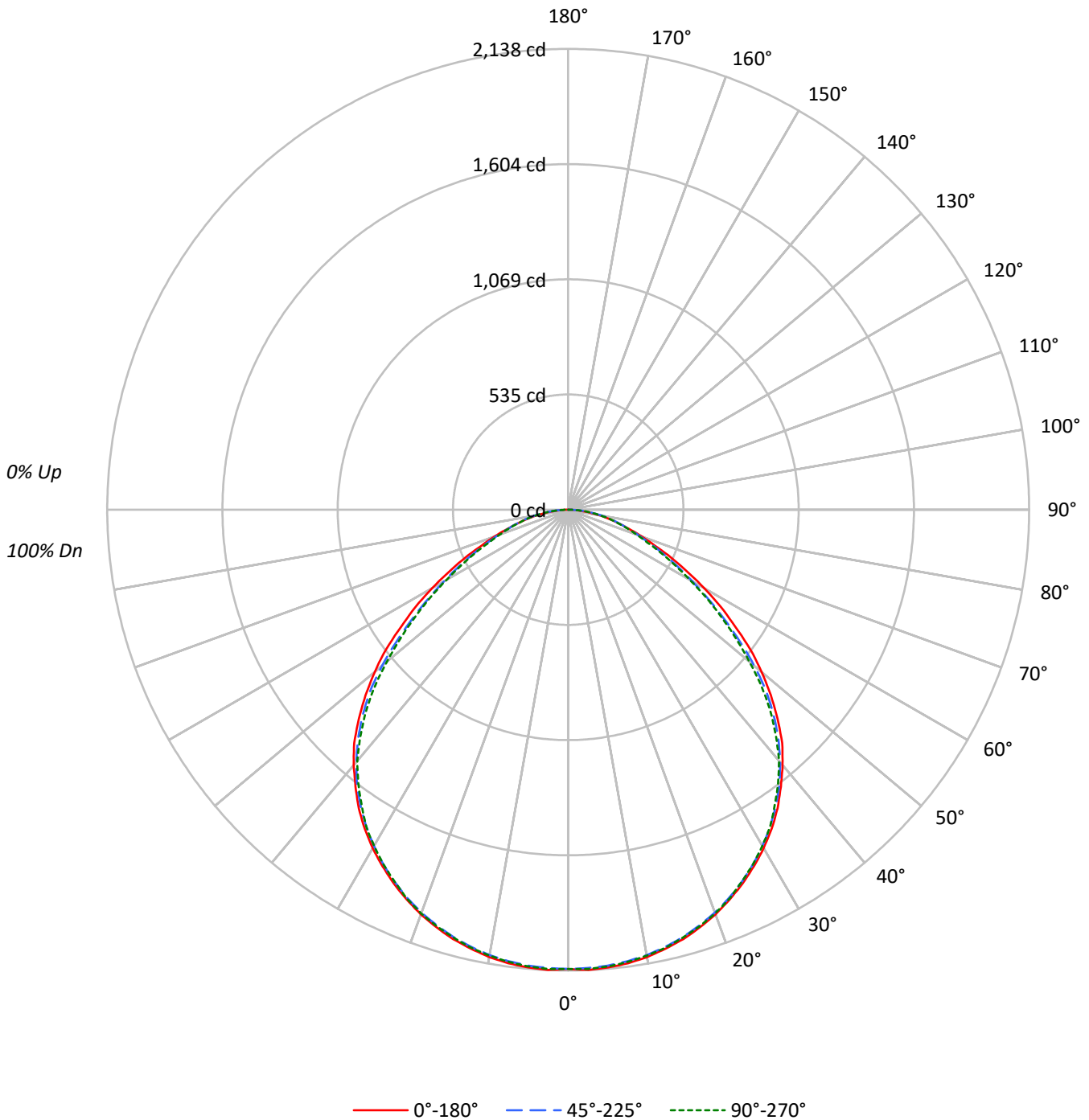
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5374.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	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°	3055	3055	3055
5°	3068	3055	3061
10°	3068	3055	3059
15°	3061	3047	3051
20°	3049	3035	3041
25°	3028	3013	3012
30°	3002	2983	2982
35°	2962	2938	2925
40°	2896	2861	2848
45°	2784	2732	2693
50°	2614	2513	2447
55°	2363	2203	2161
60°	2090	1906	1869
65°	1786	1652	1610
70°	1514	1449	1407
75°	1327	1350	1304
80°	1190	1312	1239
85°	1005	1199	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.0	3.8
10°-20°	579.8	10.8
20°-30°	878.3	16.3
30°-40°	1049.1	19.5
40°-50°	1034.9	19.3
50°-60°	801.2	14.9
60°-70°	492.4	9.2
70°-80°	258.0	4.8
80°-90°	78.2	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°	1660.2	30.9
0°-40°	2709.3	50.4
0°-60°	4545.3	84.6
0°-90°	5374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2130	2130	2130	2130	2130	
5°	2132	2125	2123	2122	2127	203
15°	2062	2056	2053	2051	2055	582
25°	1914	1908	1905	1903	1904	882
35°	1692	1685	1679	1673	1671	1056
45°	1373	1363	1347	1333	1328	1056
55°	945	920	881	868	864	848
65°	526	502	487	473	474	525
75°	240	242	244	239	235	258
85°	61	68	73	71	69	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2130.5	2130.5	2130.5	2130.5	2130.5
2.5°	2137.6	2131.1	2128.1	2127.5	2132.3
5°	2131.7	2125.1	2122.8	2121.6	2126.9
7.5°	2122.2	2115.1	2112.7	2110.9	2115.7
10°	2107.4	2100.2	2097.9	2096.7	2100.8
12.5°	2086.0	2079.5	2077.7	2075.9	2081.3
15°	2062.3	2055.8	2052.8	2051.0	2055.2
17.5°	2031.5	2026.1	2022.6	2022.6	2026.1
20°	1998.2	1991.7	1988.8	1987.0	1992.9
22.5°	1957.3	1953.2	1949.6	1946.7	1953.2
25°	1914.0	1908.1	1904.6	1903.4	1904.0
27.5°	1864.8	1860.7	1855.9	1854.2	1855.3
30°	1813.2	1807.9	1801.4	1797.8	1800.8
32.5°	1755.7	1748.0	1742.7	1739.1	1743.3
35°	1692.3	1684.6	1678.6	1673.3	1670.9
37.5°	1619.9	1617.6	1609.3	1599.8	1599.2
40°	1547.0	1540.5	1528.6	1524.5	1521.5
42.5°	1468.7	1455.1	1442.7	1430.8	1426.6
45°	1372.7	1362.6	1347.2	1333.0	1328.2
47.5°	1274.3	1261.2	1246.4	1221.5	1218.5
50°	1171.7	1152.7	1126.6	1105.9	1097.0
52.5°	1064.9	1039.4	1003.3	985.5	980.7
55°	945.2	919.7	881.1	868.1	864.5
57.5°	838.4	801.1	769.7	754.8	759.6
60°	728.7	692.6	664.7	650.5	651.7
62.5°	621.4	593.0	572.2	558.6	560.3
65°	526.5	502.2	486.8	472.6	474.4
67.5°	433.4	422.2	410.9	402.6	397.9
70°	361.1	356.4	345.7	338.0	335.6
72.5°	295.3	298.3	289.4	287.0	286.4
75°	239.6	241.9	243.7	239.0	235.4
77.5°	191.5	195.1	202.2	195.7	194.5
80°	144.1	151.2	158.9	154.8	150.0
82.5°	100.8	109.7	116.8	111.5	109.1
85°	61.1	68.2	72.9	71.2	69.4
87.5°	27.3	29.6	32.0	32.6	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)