

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: P738606

Luminaire Tested: **24PT-60-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PL1-L950
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

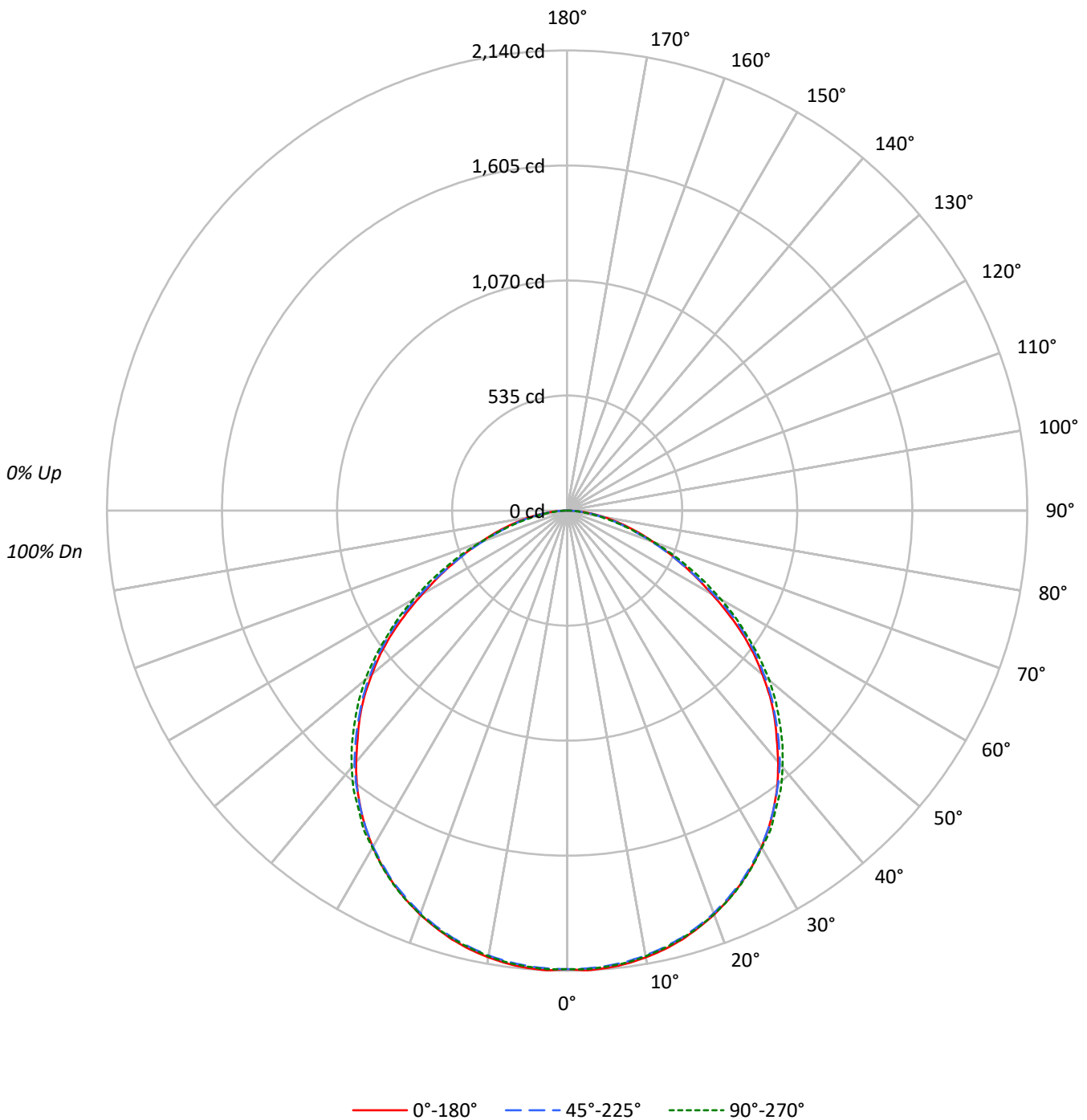
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5645.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3058	3058	3058
5°	3073	3060	3064
10°	3071	3059	3064
15°	3066	3053	3059
20°	3050	3041	3048
25°	3028	3021	3031
30°	2992	2988	2998
35°	2938	2939	2962
40°	2857	2879	2918
45°	2768	2781	2835
50°	2645	2675	2739
55°	2483	2529	2567
60°	2229	2284	2368
65°	1995	1999	2107
70°	1778	1730	1791
75°	1607	1511	1484
80°	1428	1331	1174
85°	1170	1109	918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	3.6
10°-20°	580.9	10.3
20°-30°	880.0	15.6
30°-40°	1051.7	18.6
40°-50°	1060.9	18.8
50°-60°	900.1	15.9
60°-70°	595.5	10.5
70°-80°	295.5	5.2
80°-90°	78.2	1.4
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°	1663.2	29.5
0°-40°	2714.8	48.1
0°-60°	4675.8	82.8
0°-90°	5645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2133	2133	2133	2133	2133	
5°	2135	2128	2126	2125	2129	203
15°	2065	2058	2057	2057	2061	583
25°	1914	1910	1910	1909	1916	881
35°	1678	1676	1679	1688	1692	1049
45°	1365	1363	1371	1390	1398	1050
55°	993	996	1012	1021	1027	883
65°	588	587	589	608	621	587
75°	290	282	273	264	268	310
85°	71	71	67	62	56	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2132.7	2132.7	2132.7	2132.7	2132.7
2.5°	2140.0	2133.3	2131.4	2130.2	2135.1
5°	2135.1	2127.8	2125.9	2124.7	2129.0
7.5°	2125.3	2117.3	2116.1	2114.9	2120.4
10°	2109.4	2102.0	2100.8	2099.6	2104.5
12.5°	2090.4	2083.0	2080.6	2081.2	2084.2
15°	2065.2	2058.5	2056.6	2056.6	2060.9
17.5°	2034.0	2027.8	2026.6	2026.0	2031.5
20°	1999.0	1992.9	1992.9	1994.7	1997.8
22.5°	1959.2	1954.9	1952.4	1953.7	1959.8
25°	1913.8	1909.5	1909.5	1908.9	1915.7
27.5°	1863.5	1858.0	1858.0	1862.9	1865.4
30°	1807.1	1802.2	1804.7	1808.4	1810.8
32.5°	1746.5	1743.4	1745.2	1750.8	1760.6
35°	1678.4	1676.0	1679.0	1688.2	1691.9
37.5°	1607.3	1605.5	1609.8	1622.0	1632.4
40°	1526.4	1526.4	1538.0	1549.1	1558.9
42.5°	1442.4	1447.9	1456.5	1473.7	1482.3
45°	1365.2	1363.3	1371.3	1389.7	1398.3
47.5°	1279.3	1277.5	1289.2	1302.0	1316.1
50°	1185.6	1184.9	1199.0	1210.1	1227.9
52.5°	1094.2	1099.7	1108.9	1118.7	1129.2
55°	993.1	995.5	1011.5	1020.7	1026.8
57.5°	884.0	891.9	911.5	925.0	930.5
60°	777.3	782.2	796.3	820.2	825.7
62.5°	680.4	682.3	690.9	717.8	725.2
65°	587.9	586.6	589.1	607.5	621.0
67.5°	503.9	499.0	499.0	508.8	525.3
70°	424.2	416.8	412.6	415.6	427.3
72.5°	357.4	347.6	336.5	334.7	342.1
75°	290.0	282.0	272.8	264.2	267.9
77.5°	231.1	224.4	215.8	206.0	201.1
80°	172.9	170.4	161.2	152.0	142.2
82.5°	120.8	118.9	112.8	105.4	99.3
85°	71.1	71.1	67.4	61.9	55.8
87.5°	31.9	30.7	31.9	27.0	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)