

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: P738604

Luminaire Tested: **24PT-60-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738604
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-L935
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

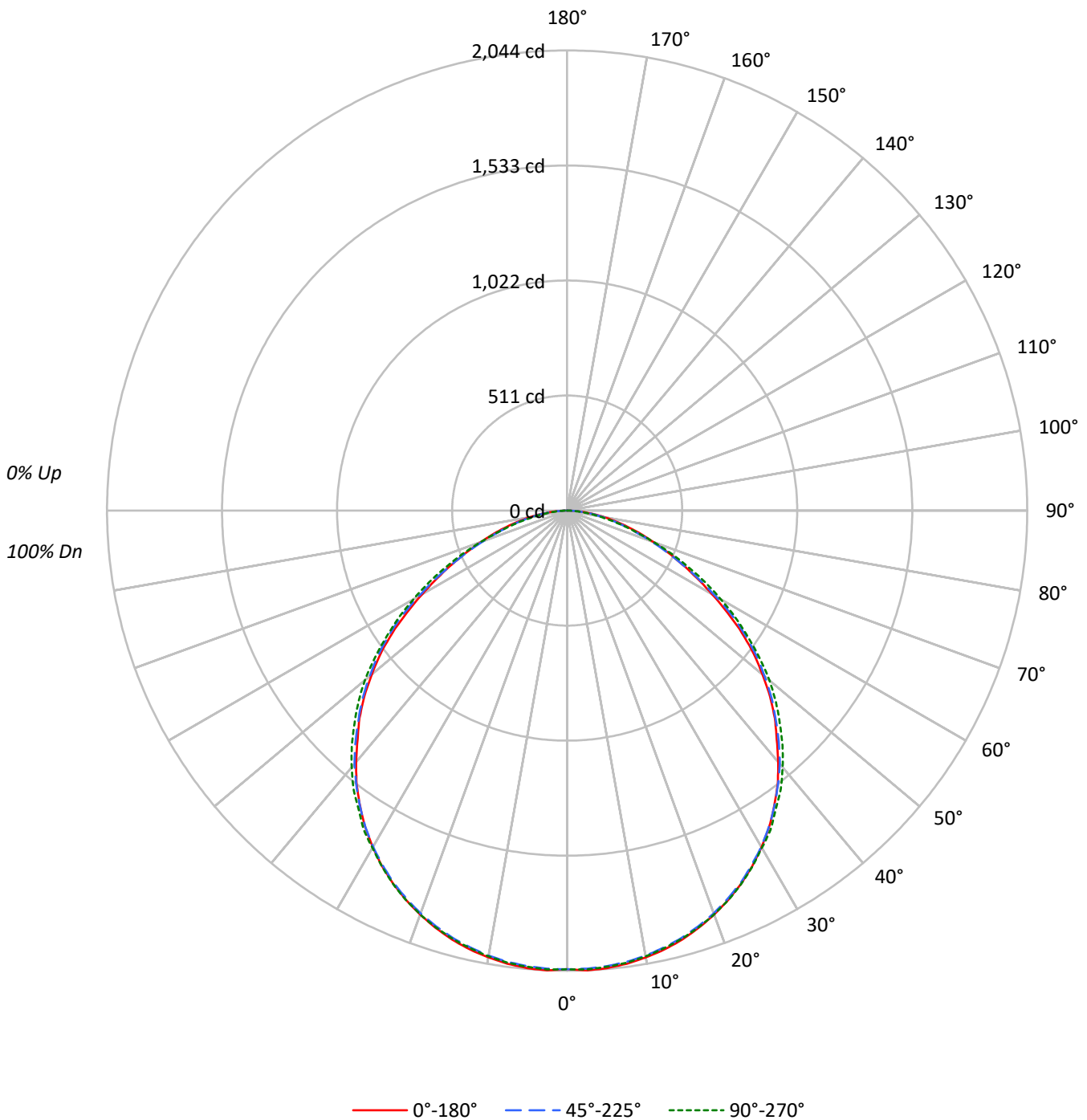
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5393.0 lumens
Efficiency: N/A
Efficacy: 106.4 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	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	70	65	74	69	64	71	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	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	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	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2921	2921	2921
5°	2936	2923	2927
10°	2934	2922	2927
15°	2929	2917	2923
20°	2914	2905	2912
25°	2893	2886	2895
30°	2859	2855	2864
35°	2807	2808	2829
40°	2730	2750	2788
45°	2645	2657	2709
50°	2526	2555	2617
55°	2372	2416	2452
60°	2130	2182	2262
65°	1905	1909	2013
70°	1699	1652	1711
75°	1535	1444	1418
80°	1364	1272	1122
85°	1117	1059	877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	3.6
10°-20°	554.9	10.3
20°-30°	840.7	15.6
30°-40°	1004.7	18.6
40°-50°	1013.5	18.8
50°-60°	859.9	15.9
60°-70°	568.9	10.5
70°-80°	282.3	5.2
80°-90°	74.7	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°	1588.9	29.5
0°-40°	2593.6	48.1
0°-60°	4467.0	82.8
0°-90°	5393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2038	2038	2038	2038	2038	
5°	2040	2033	2031	2030	2034	194
15°	1973	1967	1965	1965	1969	557
25°	1828	1824	1824	1824	1830	842
35°	1604	1601	1604	1613	1616	1002
45°	1304	1302	1310	1328	1336	1003
55°	949	951	966	975	981	844
65°	562	560	563	580	593	560
75°	277	269	261	252	256	296
85°	68	68	64	59	53	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2037.5	2037.5	2037.5	2037.5	2037.5
2.5°	2044.5	2038.0	2036.3	2035.1	2039.8
5°	2039.8	2032.8	2031.0	2029.8	2033.9
7.5°	2030.4	2022.8	2021.6	2020.5	2025.7
10°	2015.2	2008.2	2007.0	2005.8	2010.5
12.5°	1997.0	1990.0	1987.7	1988.3	1991.2
15°	1973.0	1966.6	1964.8	1964.8	1968.9
17.5°	1943.2	1937.3	1936.1	1935.6	1940.8
20°	1909.8	1903.9	1903.9	1905.7	1908.6
22.5°	1871.7	1867.6	1865.3	1866.4	1872.3
25°	1828.4	1824.3	1824.3	1823.7	1830.1
27.5°	1780.4	1775.1	1775.1	1779.8	1782.1
30°	1726.5	1721.8	1724.1	1727.6	1730.0
32.5°	1668.5	1665.6	1667.3	1672.6	1682.0
35°	1603.5	1601.1	1604.1	1612.9	1616.4
37.5°	1535.6	1533.8	1537.9	1549.6	1559.6
40°	1458.3	1458.3	1469.4	1479.9	1489.3
42.5°	1378.0	1383.3	1391.5	1407.9	1416.1
45°	1304.2	1302.5	1310.1	1327.7	1335.9
47.5°	1222.2	1220.5	1231.6	1243.9	1257.4
50°	1132.6	1132.0	1145.5	1156.1	1173.0
52.5°	1045.4	1050.6	1059.4	1068.8	1078.8
55°	948.7	951.1	966.3	975.1	981.0
57.5°	844.5	852.1	870.9	883.7	889.0
60°	742.6	747.3	760.8	783.6	788.9
62.5°	650.1	651.8	660.0	685.8	692.8
65°	561.6	560.5	562.8	580.4	593.3
67.5°	481.4	476.7	476.7	486.1	501.9
70°	405.3	398.2	394.1	397.1	408.2
72.5°	341.4	332.1	321.5	319.8	326.8
75°	277.0	269.4	260.6	252.4	255.9
77.5°	220.8	214.3	206.1	196.8	192.1
80°	165.2	162.8	154.0	145.2	135.9
82.5°	115.4	113.6	107.8	100.7	94.9
85°	67.9	67.9	64.4	59.1	53.3
87.5°	30.5	29.3	30.5	25.8	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)