

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: P738612

Luminaire Tested: **24PT-60-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PR1-L935
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

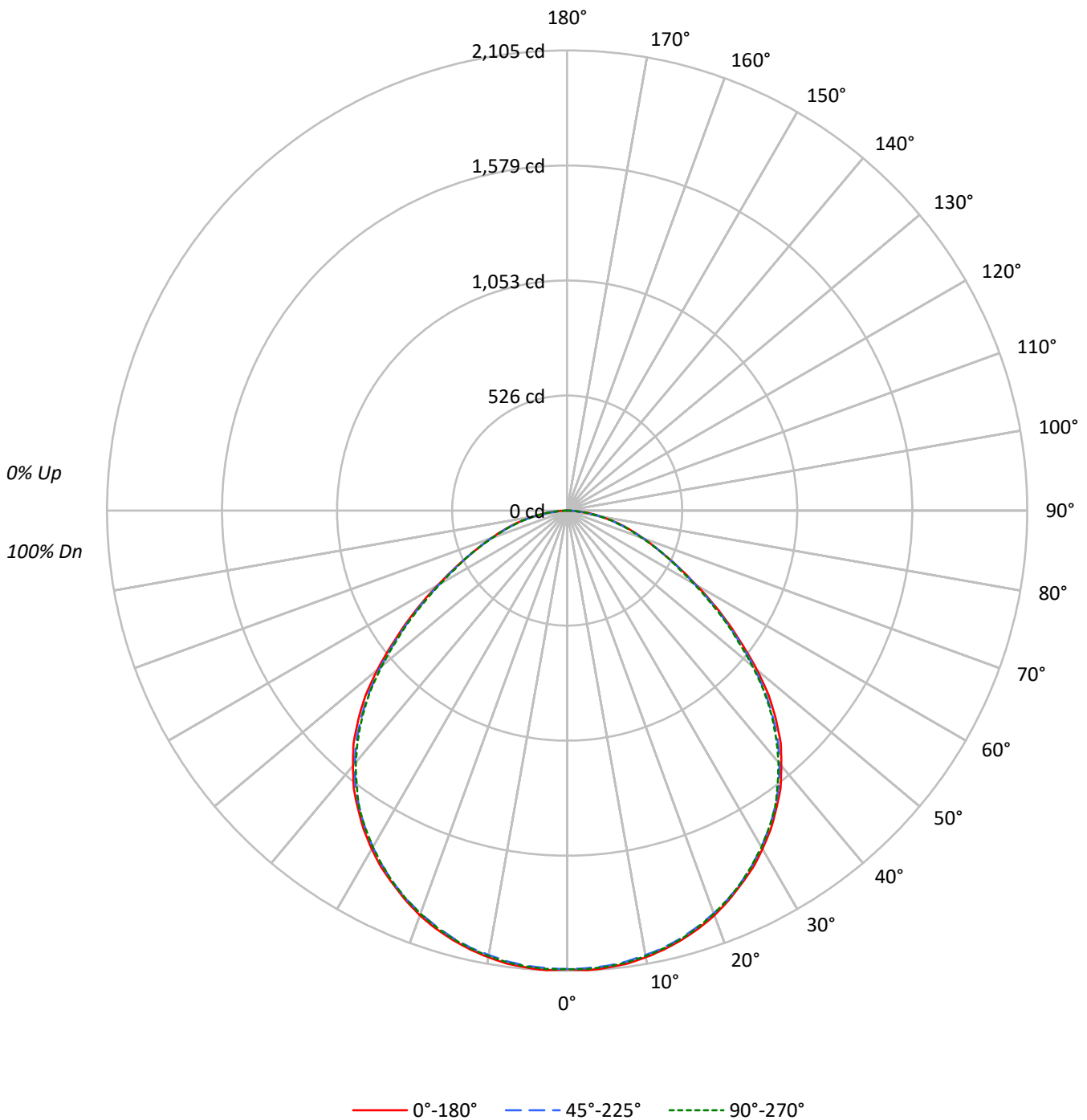
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5342.0 lumens
Efficiency: N/A
Efficacy: 105.4 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 (Ain): 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3008	3008	3008
5°	3022	3009	3014
10°	3021	3006	3013
15°	3016	3003	3009
20°	3007	2992	2994
25°	2982	2973	2975
30°	2959	2943	2943
35°	2918	2901	2904
40°	2852	2828	2816
45°	2738	2694	2680
50°	2528	2491	2468
55°	2250	2218	2203
60°	1962	1940	1919
65°	1718	1720	1711
70°	1547	1542	1520
75°	1440	1398	1402
80°	1286	1262	1262
85°	992	1022	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	3.7
10°-20°	571.4	10.7
20°-30°	866.2	16.2
30°-40°	1036.0	19.4
40°-50°	1022.9	19.1
50°-60°	796.2	14.9
60°-70°	505.5	9.5
70°-80°	271.2	5.1
80°-90°	73.6	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°	1636.5	30.6
0°-40°	2672.6	50.0
0°-60°	4491.7	84.1
0°-90°	5342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2098	2098	2098	2098	2098	
5°	2099	2093	2091	2089	2094	200
15°	2032	2025	2023	2021	2027	573
25°	1885	1882	1879	1876	1880	869
35°	1667	1664	1657	1652	1659	1042
45°	1350	1341	1329	1322	1322	1037
55°	900	895	887	881	881	806
65°	506	508	507	501	504	508
75°	260	256	252	252	253	275
85°	60	62	62	62	60	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2097.6	2097.6	2097.6	2097.6	2097.6
2.5°	2104.6	2097.6	2095.2	2094.1	2099.3
5°	2099.3	2092.9	2090.6	2089.4	2094.1
7.5°	2090.6	2082.9	2080.6	2079.4	2084.7
10°	2074.7	2067.7	2064.8	2064.8	2069.5
12.5°	2056.0	2050.1	2047.2	2044.9	2050.1
15°	2032.0	2025.0	2023.2	2020.9	2026.7
17.5°	2003.3	1996.3	1993.9	1992.8	1996.9
20°	1970.5	1961.7	1960.6	1960.0	1962.3
22.5°	1930.1	1925.4	1923.1	1921.9	1923.7
25°	1885.0	1881.5	1879.2	1875.6	1880.3
27.5°	1841.1	1836.4	1830.6	1827.6	1830.6
30°	1787.2	1781.4	1777.3	1776.1	1777.3
32.5°	1731.6	1725.7	1720.5	1719.9	1719.3
35°	1667.2	1663.7	1657.2	1651.9	1659.0
37.5°	1603.3	1595.1	1589.3	1582.8	1581.1
40°	1523.7	1520.8	1510.8	1505.0	1504.4
42.5°	1446.4	1432.9	1425.9	1421.8	1415.4
45°	1350.4	1341.0	1328.7	1322.3	1321.7
47.5°	1250.2	1238.5	1226.8	1218.0	1220.4
50°	1133.1	1127.8	1116.7	1109.1	1106.2
52.5°	1012.5	1011.3	999.6	994.9	989.6
55°	900.1	895.4	887.2	881.3	881.3
57.5°	789.4	785.3	781.2	770.0	770.0
60°	684.0	683.4	676.4	669.9	669.3
62.5°	589.7	593.2	586.8	580.3	576.8
65°	506.5	508.3	507.1	500.7	504.2
67.5°	433.3	433.9	431.6	428.1	430.4
70°	368.9	371.8	367.8	365.4	362.5
72.5°	312.7	311.5	308.0	309.8	305.7
75°	260.0	255.9	252.4	251.8	253.0
77.5°	207.3	206.1	203.2	203.2	201.4
80°	155.8	154.6	152.8	153.4	152.8
82.5°	110.7	107.7	105.4	106.6	107.2
85°	60.3	61.5	62.1	62.1	59.7
87.5°	24.6	24.0	24.6	25.8	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)