

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: P738613

Luminaire Tested: **24PT-60-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738613
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-L940
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

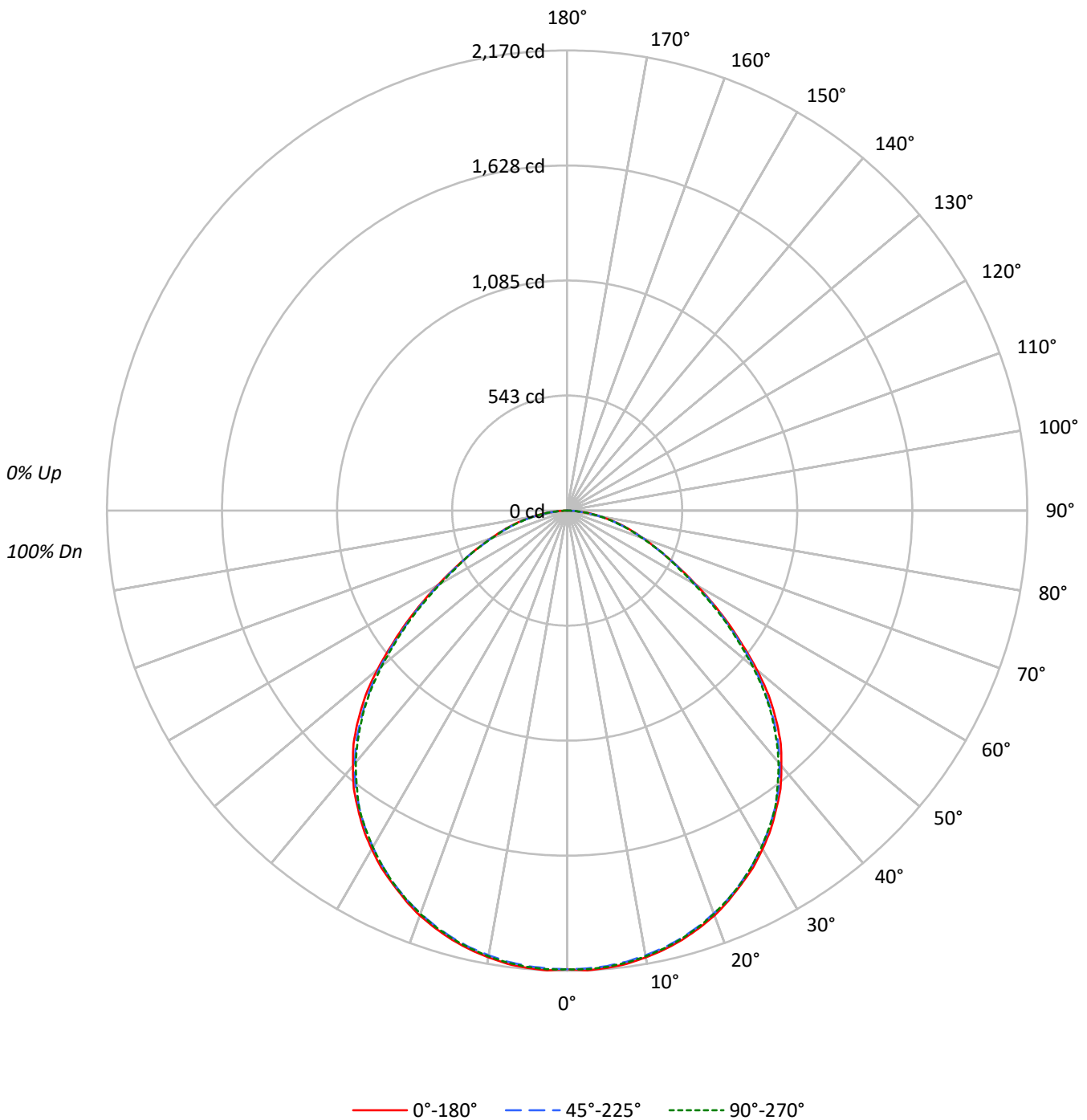
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509.0 lumens
Efficiency: N/A
Efficacy: 108.7 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°	3102	3102	3102
5°	3116	3103	3108
10°	3115	3100	3107
15°	3111	3097	3103
20°	3101	3085	3088
25°	3075	3066	3068
30°	3052	3035	3035
35°	3009	2991	2995
40°	2941	2916	2904
45°	2824	2778	2764
50°	2607	2569	2545
55°	2320	2287	2272
60°	2023	2000	1980
65°	1772	1774	1764
70°	1595	1590	1567
75°	1485	1442	1445
80°	1326	1301	1301
85°	1023	1053	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	3.7
10°-20°	589.2	10.7
20°-30°	893.3	16.2
30°-40°	1068.4	19.4
40°-50°	1054.9	19.1
50°-60°	821.1	14.9
60°-70°	521.3	9.5
70°-80°	279.7	5.1
80°-90°	75.9	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°	1687.7	30.6
0°-40°	2756.1	50.0
0°-60°	4632.2	84.1
0°-90°	5509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2163	2163	2163	2163	2163	
5°	2165	2158	2156	2155	2160	206
15°	2096	2088	2086	2084	2090	591
25°	1944	1940	1938	1934	1939	897
35°	1719	1716	1709	1704	1711	1075
45°	1393	1383	1370	1364	1363	1069
55°	928	923	915	909	909	831
65°	522	524	523	516	520	524
75°	268	264	260	260	261	283
85°	62	63	64	64	62	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2163.2	2163.2	2163.2	2163.2	2163.2
2.5°	2170.4	2163.2	2160.7	2159.5	2165.0
5°	2165.0	2158.3	2155.9	2154.7	2159.5
7.5°	2155.9	2148.1	2145.6	2144.4	2149.9
10°	2139.6	2132.4	2129.3	2129.3	2134.2
12.5°	2120.3	2114.2	2111.2	2108.8	2114.2
15°	2095.5	2088.3	2086.5	2084.0	2090.1
17.5°	2065.9	2058.7	2056.3	2055.1	2059.3
20°	2032.1	2023.1	2021.8	2021.2	2023.7
22.5°	1990.4	1985.6	1983.2	1982.0	1983.8
25°	1943.9	1940.3	1937.9	1934.3	1939.1
27.5°	1898.6	1893.8	1887.8	1884.8	1887.8
30°	1843.1	1837.1	1832.8	1831.6	1832.8
32.5°	1785.7	1779.7	1774.2	1773.6	1773.0
35°	1719.3	1715.7	1709.0	1703.6	1710.8
37.5°	1653.5	1645.0	1639.0	1632.3	1630.5
40°	1571.3	1568.3	1558.1	1552.0	1551.4
42.5°	1491.6	1477.7	1470.5	1466.3	1459.6
45°	1392.6	1382.9	1370.2	1363.6	1363.0
47.5°	1289.3	1277.2	1265.2	1256.1	1258.5
50°	1168.5	1163.1	1151.6	1143.8	1140.8
52.5°	1044.1	1042.9	1030.9	1026.0	1020.6
55°	928.2	923.4	914.9	908.9	908.9
57.5°	814.1	809.8	805.6	794.1	794.1
60°	705.4	704.7	697.5	690.9	690.3
62.5°	608.1	611.7	605.1	598.5	594.8
65°	522.4	524.2	523.0	516.3	520.0
67.5°	446.9	447.5	445.1	441.4	443.9
70°	380.5	383.5	379.2	376.8	373.8
72.5°	322.5	321.3	317.6	319.5	315.2
75°	268.1	263.9	260.3	259.7	260.9
77.5°	213.8	212.6	209.6	209.6	207.7
80°	160.6	159.4	157.6	158.2	157.6
82.5°	114.1	111.1	108.7	109.9	110.5
85°	62.2	63.4	64.0	64.0	61.6
87.5°	25.4	24.8	25.4	26.6	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)