

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: P738621

Luminaire Tested: **24PT-60-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PW1-L940
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

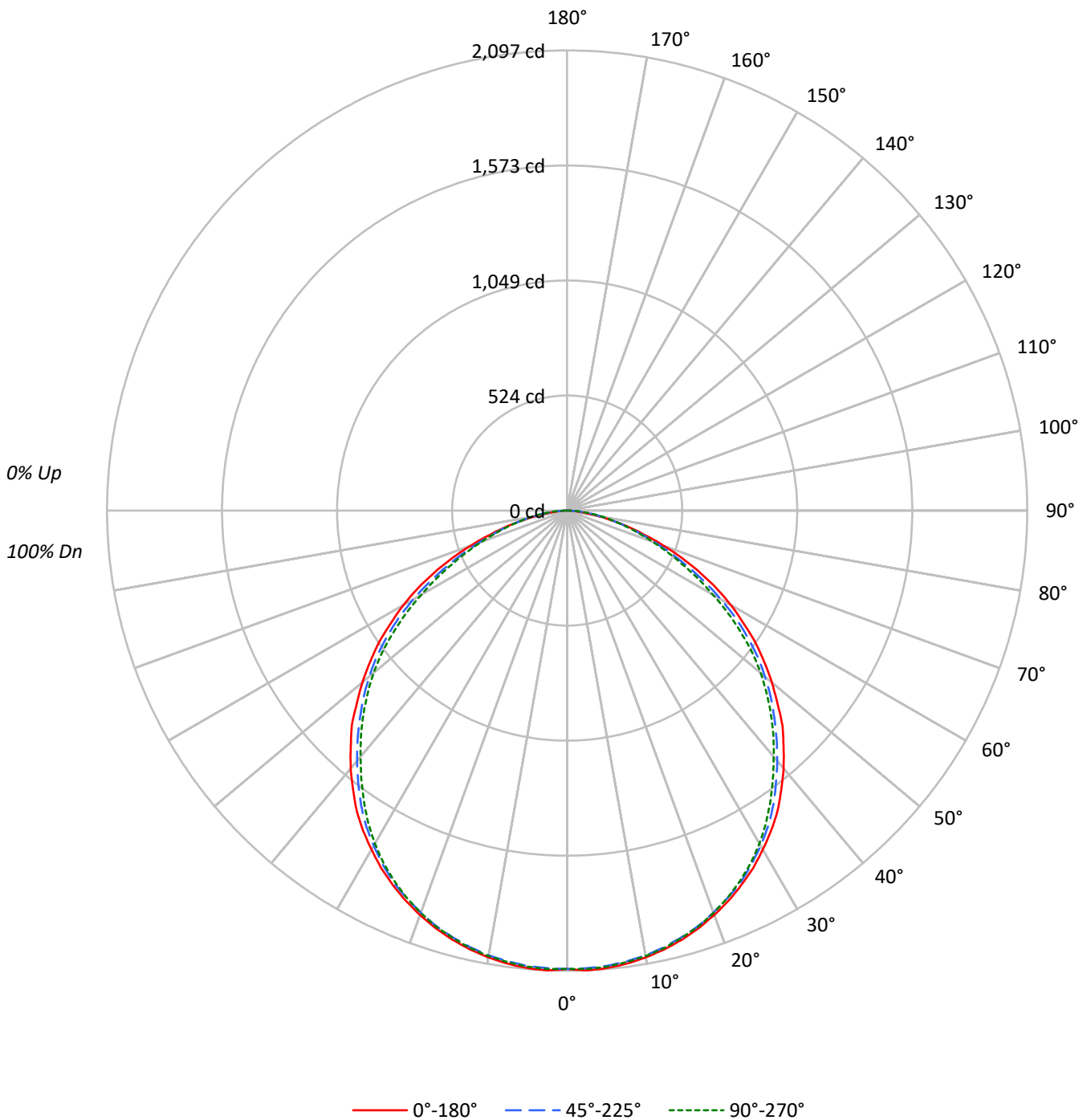
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5570.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2995	2995	2995
5°	3012	2997	3003
10°	3010	2996	3001
15°	3004	2988	2992
20°	2992	2975	2977
25°	2976	2959	2948
30°	2953	2919	2901
35°	2926	2867	2827
40°	2872	2788	2741
45°	2815	2706	2662
50°	2716	2624	2569
55°	2616	2505	2414
60°	2473	2321	2201
65°	2264	2068	1961
70°	1962	1793	1727
75°	1606	1546	1526
80°	1172	1321	1362
85°	785	1102	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	3.6
10°-20°	568.8	10.2
20°-30°	860.8	15.5
30°-40°	1024.3	18.4
40°-50°	1034.6	18.6
50°-60°	895.2	16.1
60°-70°	611.6	11.0
70°-80°	301.4	5.4
80°-90°	75.3	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°	1627.7	29.2
0°-40°	2652.0	47.6
0°-60°	4581.8	82.3
0°-90°	5570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2089	2089	2089	2089	2089	
5°	2093	2085	2082	2080	2086	199
15°	2024	2017	2013	2012	2015	571
25°	1881	1874	1870	1863	1863	867
35°	1672	1658	1638	1620	1615	1043
45°	1388	1365	1335	1320	1313	1066
55°	1047	1032	1002	981	966	932
65°	667	642	609	589	578	659
75°	290	281	279	277	275	310
85°	48	59	67	70	71	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2089.0	2089.0	2089.0	2089.0	2089.0
2.5°	2097.4	2089.6	2087.2	2085.3	2090.8
5°	2092.6	2084.7	2082.3	2080.5	2086.5
7.5°	2082.3	2074.5	2072.1	2070.2	2075.1
10°	2067.2	2060.0	2057.6	2055.7	2061.2
12.5°	2047.9	2041.3	2038.2	2035.8	2041.9
15°	2023.7	2017.1	2012.9	2011.7	2015.3
17.5°	1994.8	1988.1	1985.1	1983.3	1987.5
20°	1960.9	1953.7	1949.5	1947.0	1950.7
22.5°	1923.5	1916.2	1910.8	1908.4	1909.6
25°	1881.2	1874.0	1870.3	1863.1	1863.1
27.5°	1835.9	1827.5	1818.4	1810.6	1811.2
30°	1783.4	1773.7	1762.8	1752.6	1752.0
32.5°	1730.2	1718.2	1704.9	1691.0	1686.8
35°	1671.7	1657.8	1637.8	1619.7	1614.9
37.5°	1602.8	1590.1	1563.6	1548.5	1540.6
40°	1534.6	1516.4	1489.3	1471.8	1464.5
42.5°	1459.7	1442.2	1413.2	1396.9	1390.8
45°	1388.4	1364.9	1334.7	1319.6	1312.9
47.5°	1299.6	1280.3	1259.2	1241.7	1233.2
50°	1217.5	1201.8	1176.4	1157.1	1151.7
52.5°	1131.7	1118.5	1094.3	1068.9	1062.9
55°	1046.6	1032.1	1001.9	980.8	965.7
57.5°	950.6	937.9	909.5	882.3	869.0
60°	862.4	840.7	809.3	779.7	767.6
62.5°	766.4	745.2	709.0	678.8	672.2
65°	667.3	642.0	609.4	589.4	578.0
67.5°	567.1	542.3	515.1	502.5	495.2
70°	468.0	448.1	427.6	418.5	411.9
72.5°	372.6	361.1	349.7	346.0	340.0
75°	289.9	281.4	279.0	277.2	275.4
77.5°	209.0	213.2	215.6	218.0	215.6
80°	141.9	151.0	160.0	164.9	164.9
82.5°	87.6	103.3	111.1	116.0	115.3
85°	47.7	59.2	67.0	69.5	71.3
87.5°	19.3	24.2	27.2	29.6	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)