

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: P738652

Luminaire Tested: **24PT-72-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738652
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-72-PW1-L935
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

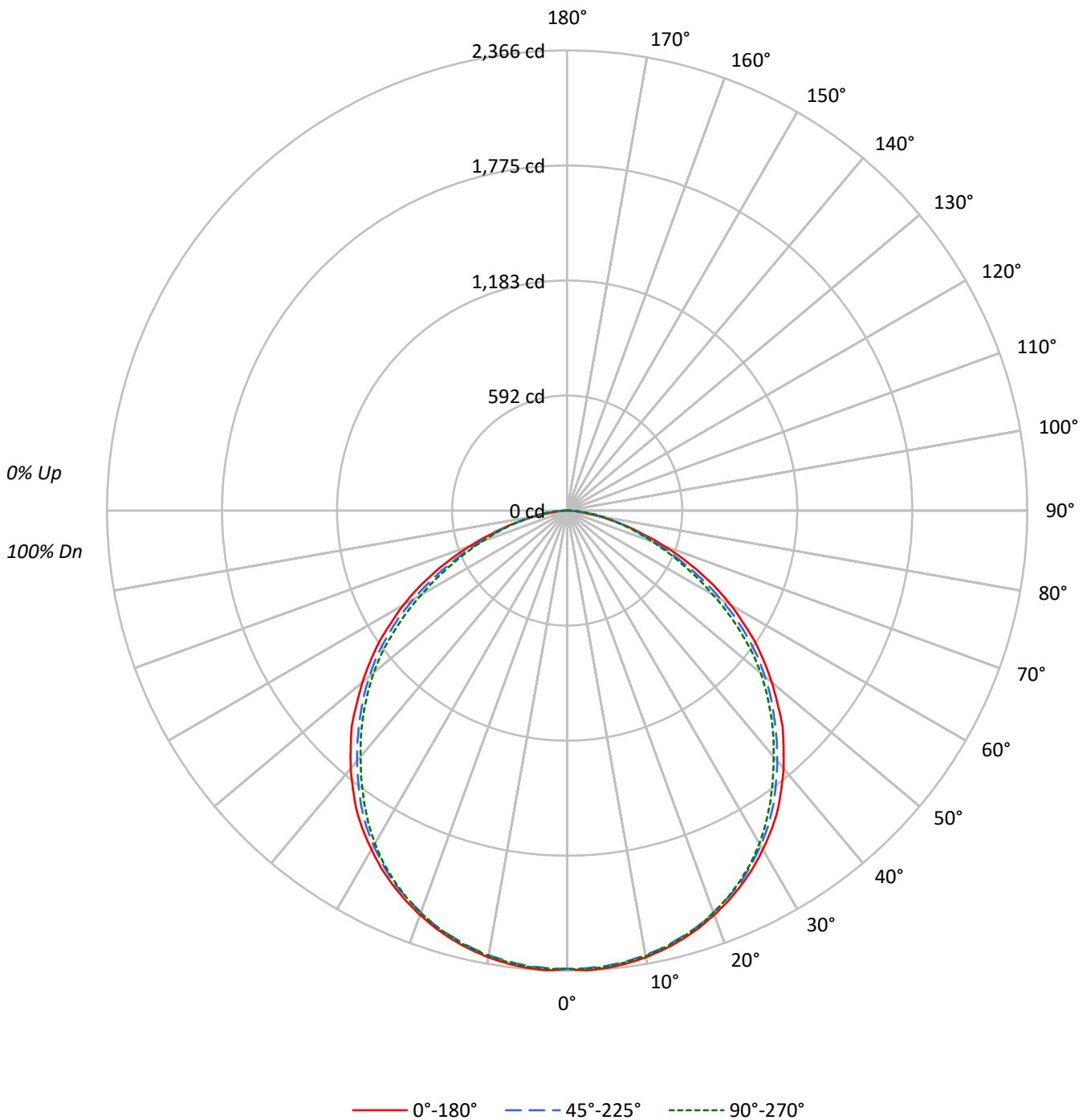
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6284.0 lumens
Efficiency: N/A
Efficacy: 104.6 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): 60.1
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°	3379	3379	3379
5°	3398	3381	3388
10°	3396	3380	3386
15°	3389	3371	3375
20°	3376	3356	3358
25°	3358	3338	3325
30°	3331	3293	3273
35°	3301	3234	3189
40°	3241	3145	3093
45°	3176	3053	3004
50°	3064	2961	2898
55°	2952	2826	2724
60°	2790	2618	2483
65°	2554	2333	2212
70°	2214	2022	1948
75°	1812	1744	1721
80°	1322	1491	1536
85°	885	1244	1323



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.5	3.6
10°-20°	641.7	10.2
20°-30°	971.1	15.5
30°-40°	1155.5	18.4
40°-50°	1167.2	18.6
50°-60°	1010.0	16.1
60°-70°	690.0	11.0
70°-80°	340.0	5.4
80°-90°	85.0	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°	1836.3	29.2
0°-40°	2991.9	47.6
0°-60°	5169.1	82.3
0°-90°	6284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2357	2357	2357	2357	2357	
5°	2361	2352	2349	2347	2354	224
15°	2283	2276	2271	2270	2274	644
25°	2122	2114	2110	2102	2102	978
35°	1886	1870	1848	1827	1822	1177
45°	1566	1540	1506	1489	1481	1203
55°	1181	1164	1130	1106	1090	1051
65°	753	724	688	665	652	744
75°	327	318	315	313	311	350
85°	54	67	76	78	80	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2356.7	2356.7	2356.7	2356.7	2356.7
2.5°	2366.3	2357.4	2354.7	2352.7	2358.8
5°	2360.8	2352.0	2349.2	2347.2	2354.0
7.5°	2349.2	2340.4	2337.7	2335.6	2341.1
10°	2332.2	2324.0	2321.3	2319.3	2325.4
12.5°	2310.4	2302.9	2299.5	2296.8	2303.6
15°	2283.2	2275.7	2270.9	2269.5	2273.6
17.5°	2250.5	2243.0	2239.6	2237.5	2242.3
20°	2212.3	2204.1	2199.4	2196.6	2200.7
22.5°	2170.1	2161.9	2155.7	2153.0	2154.4
25°	2122.4	2114.2	2110.1	2101.9	2101.9
27.5°	2071.3	2061.7	2051.5	2042.6	2043.3
30°	2012.0	2001.1	1988.8	1977.2	1976.6
32.5°	1952.0	1938.4	1923.4	1907.7	1903.0
35°	1885.9	1870.3	1847.8	1827.3	1821.9
37.5°	1808.3	1794.0	1764.0	1746.9	1738.1
40°	1731.3	1710.8	1680.2	1660.4	1652.2
42.5°	1646.8	1627.0	1594.3	1575.9	1569.1
45°	1566.4	1539.8	1505.8	1488.7	1481.2
47.5°	1466.2	1444.4	1420.6	1400.8	1391.3
50°	1373.6	1355.9	1327.2	1305.4	1299.3
52.5°	1276.8	1261.8	1234.6	1206.0	1199.2
55°	1180.8	1164.4	1130.3	1106.5	1089.5
57.5°	1072.4	1058.1	1026.1	995.4	980.4
60°	972.9	948.4	913.0	879.6	866.0
62.5°	864.6	840.8	799.9	765.8	758.3
65°	752.9	724.3	687.5	665.0	652.0
67.5°	639.8	611.8	581.2	566.9	558.7
70°	528.0	505.6	482.4	472.2	464.7
72.5°	420.4	407.4	394.5	390.4	383.6
75°	327.0	317.5	314.8	312.7	310.7
77.5°	235.7	240.5	243.2	246.0	243.2
80°	160.1	170.3	180.6	186.0	186.0
82.5°	98.8	116.5	125.4	130.8	130.1
85°	53.8	66.8	75.6	78.4	80.4
87.5°	21.8	27.3	30.7	33.4	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)