

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: P738654

Luminaire Tested: **24PT-72-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738654
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-L950
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

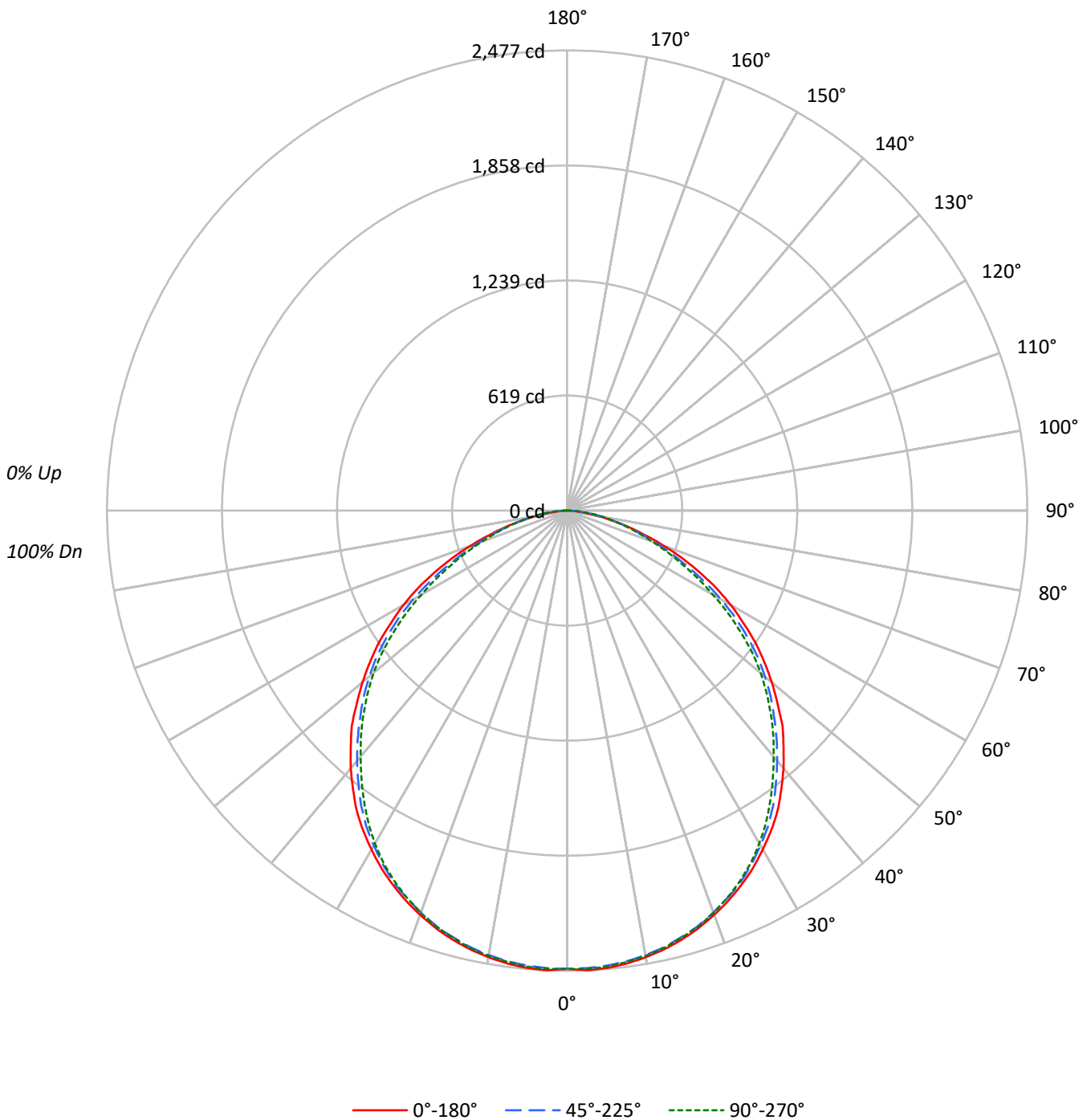
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6578.0 lumens
Efficiency: N/A
Efficacy: 109.5 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°	3537	3537	3537
5°	3557	3540	3547
10°	3554	3538	3544
15°	3548	3529	3533
20°	3534	3513	3515
25°	3515	3495	3481
30°	3487	3447	3426
35°	3456	3386	3338
40°	3392	3292	3237
45°	3325	3196	3144
50°	3207	3099	3034
55°	3090	2958	2851
60°	2921	2741	2600
65°	2674	2441	2316
70°	2317	2117	2039
75°	1896	1825	1802
80°	1384	1561	1608
85°	926	1303	1385



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.0	3.6
10°-20°	671.7	10.2
20°-30°	1016.6	15.5
30°-40°	1209.6	18.4
40°-50°	1221.8	18.6
50°-60°	1057.2	16.1
60°-70°	722.2	11.0
70°-80°	355.9	5.4
80°-90°	88.9	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°	1922.3	29.2
0°-40°	3131.9	47.6
0°-60°	5410.9	82.3
0°-90°	6578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2467	2467	2467	2467	2467	
5°	2471	2462	2459	2457	2464	235
15°	2390	2382	2377	2376	2380	674
25°	2222	2213	2209	2200	2200	1024
35°	1974	1958	1934	1913	1907	1232
45°	1640	1612	1576	1558	1550	1259
55°	1236	1219	1183	1158	1140	1101
65°	788	758	720	696	682	778
75°	342	332	330	327	325	366
85°	56	70	79	82	84	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2467.0	2467.0	2467.0	2467.0	2467.0
2.5°	2477.0	2467.7	2464.9	2462.7	2469.1
5°	2471.3	2462.0	2459.2	2457.0	2464.2
7.5°	2459.2	2449.9	2447.0	2444.9	2450.6
10°	2441.3	2432.8	2429.9	2427.8	2434.2
12.5°	2418.5	2410.7	2407.1	2404.2	2411.4
15°	2390.0	2382.1	2377.1	2375.7	2380.0
17.5°	2355.7	2347.9	2344.3	2342.2	2347.2
20°	2315.8	2307.2	2302.3	2299.4	2303.7
22.5°	2271.6	2263.0	2256.6	2253.8	2255.2
25°	2221.7	2213.1	2208.8	2200.3	2200.3
27.5°	2168.2	2158.2	2147.5	2138.2	2138.9
30°	2106.1	2094.7	2081.9	2069.7	2069.0
32.5°	2043.4	2029.1	2013.4	1997.0	1992.0
35°	1974.2	1957.8	1934.2	1912.8	1907.1
37.5°	1892.9	1877.9	1846.5	1828.7	1819.4
40°	1812.3	1790.9	1758.8	1738.1	1729.5
42.5°	1723.8	1703.2	1668.9	1649.7	1642.5
45°	1639.7	1611.9	1576.2	1558.4	1550.5
47.5°	1534.8	1512.0	1487.0	1466.4	1456.4
50°	1437.8	1419.3	1389.3	1366.5	1360.1
52.5°	1336.6	1320.9	1292.3	1262.4	1255.3
55°	1236.0	1218.9	1183.2	1158.3	1140.4
57.5°	1122.6	1107.6	1074.1	1042.0	1026.3
60°	1018.5	992.8	955.7	920.8	906.5
62.5°	905.1	880.1	837.3	801.7	793.8
65°	788.1	758.1	719.6	696.1	682.5
67.5°	669.7	640.5	608.4	593.4	584.8
70°	552.7	529.2	505.0	494.3	486.4
72.5°	440.1	426.5	413.0	408.7	401.5
75°	342.3	332.4	329.5	327.4	325.2
77.5°	246.8	251.8	254.6	257.5	254.6
80°	167.6	178.3	189.0	194.7	194.7
82.5°	103.4	122.0	131.2	136.9	136.2
85°	56.3	69.9	79.2	82.0	84.2
87.5°	22.8	28.5	32.1	34.9	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)