

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: P738646

Luminaire Tested: **24PT-72-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738646
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-72-PR1-L950
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

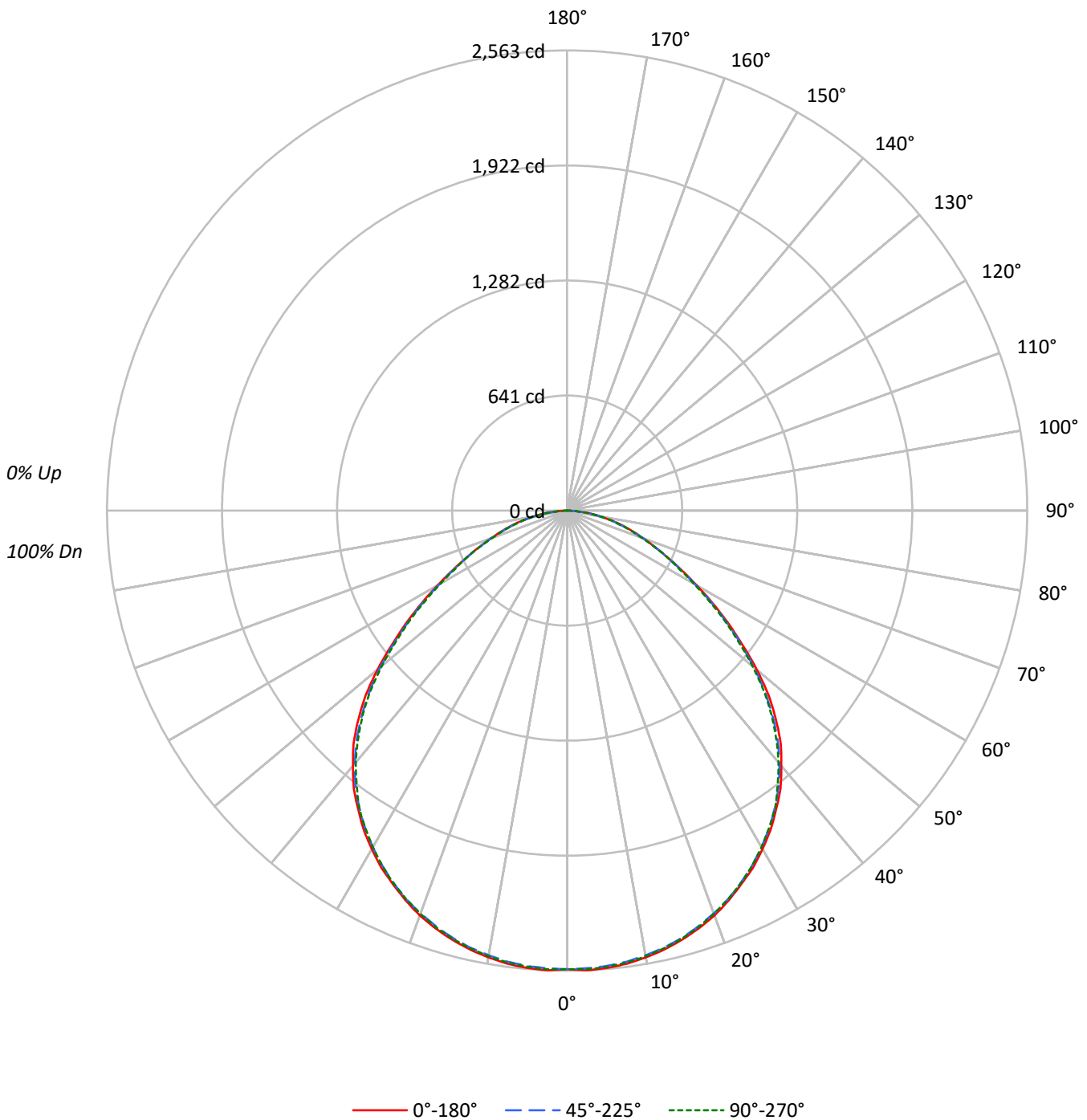
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6506.0 lumens
Efficiency: N/A
Efficacy: 108.3 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): 60.1
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72				72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62				62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53				53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47				47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41				41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36				36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3663	3663	3663
5°	3680	3665	3671
10°	3679	3661	3670
15°	3674	3658	3664
20°	3662	3643	3647
25°	3632	3621	3623
30°	3604	3584	3584
35°	3554	3533	3537
40°	3473	3444	3429
45°	3335	3281	3264
50°	3078	3034	3005
55°	2740	2701	2683
60°	2389	2362	2338
65°	2093	2095	2084
70°	1884	1878	1851
75°	1755	1703	1707
80°	1566	1537	1537
85°	1209	1244	1196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.3	3.7
10°-20°	695.9	10.7
20°-30°	1055.0	16.2
30°-40°	1261.8	19.4
40°-50°	1245.8	19.1
50°-60°	969.7	14.9
60°-70°	615.6	9.5
70°-80°	330.4	5.1
80°-90°	89.6	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°	1993.1	30.6
0°-40°	3254.9	50.0
0°-60°	5470.5	84.1
0°-90°	6506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6506.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2555	2555	2555	2555	2555	
5°	2557	2549	2546	2545	2550	243
15°	2475	2466	2464	2461	2468	698
25°	2296	2292	2289	2284	2290	1059
35°	2030	2026	2018	2012	2020	1269
45°	1645	1633	1618	1610	1610	1262
55°	1096	1090	1080	1073	1073	982
65°	617	619	618	610	614	619
75°	317	312	307	307	308	335
85°	74	75	76	76	73	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.6	2554.6	2554.6	2554.6	2554.6
2.5°	2563.2	2554.6	2551.8	2550.4	2556.8
5°	2556.8	2548.9	2546.1	2544.7	2550.4
7.5°	2546.1	2536.8	2534.0	2532.5	2538.9
10°	2526.8	2518.3	2514.7	2514.7	2520.4
12.5°	2504.0	2496.9	2493.3	2490.4	2496.9
15°	2474.8	2466.2	2464.1	2461.2	2468.3
17.5°	2439.8	2431.3	2428.4	2427.0	2432.0
20°	2399.9	2389.2	2387.7	2387.0	2389.9
22.5°	2350.7	2345.0	2342.1	2340.7	2342.8
25°	2295.7	2291.5	2288.6	2284.3	2290.0
27.5°	2242.3	2236.6	2229.4	2225.9	2229.4
30°	2176.6	2169.5	2164.5	2163.1	2164.5
32.5°	2108.9	2101.8	2095.3	2094.6	2093.9
35°	2030.4	2026.2	2018.3	2011.9	2020.5
37.5°	1952.7	1942.7	1935.6	1927.7	1925.6
40°	1855.7	1852.1	1840.0	1832.9	1832.2
42.5°	1761.6	1745.2	1736.6	1731.6	1723.8
45°	1644.6	1633.2	1618.2	1610.4	1609.7
47.5°	1522.7	1508.4	1494.1	1483.4	1486.3
50°	1380.0	1373.6	1360.0	1350.8	1347.2
52.5°	1233.1	1231.7	1217.4	1211.7	1205.3
55°	1096.2	1090.5	1080.5	1073.3	1073.3
57.5°	961.4	956.4	951.4	937.8	937.8
60°	833.0	832.3	823.7	815.9	815.2
62.5°	718.2	722.5	714.6	706.8	702.5
65°	616.9	619.0	617.6	609.8	614.1
67.5°	527.8	528.5	525.6	521.3	524.2
70°	449.3	452.9	447.9	445.0	441.5
72.5°	380.8	379.4	375.1	377.3	372.3
75°	316.7	311.7	307.4	306.7	308.1
77.5°	252.5	251.0	247.5	247.5	245.3
80°	189.7	188.3	186.1	186.9	186.1
82.5°	134.8	131.2	128.4	129.8	130.5
85°	73.5	74.9	75.6	75.6	72.7
87.5°	30.0	29.2	30.0	31.4	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)