

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: P738609

Luminaire Tested: **24PT-60-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738609
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-L840
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

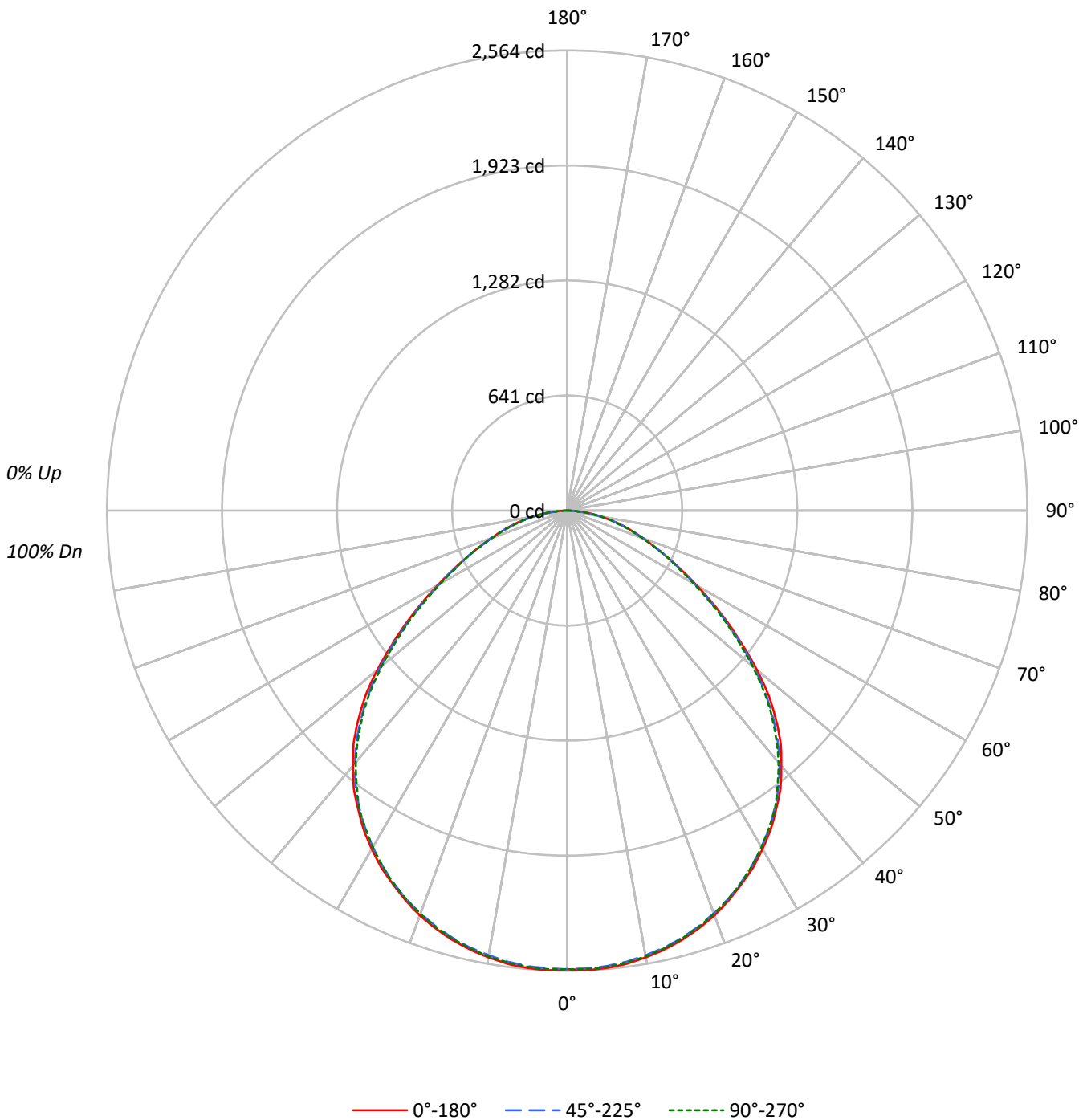
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6509.0 lumens
Efficiency: N/A
Efficacy: 128.4 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 (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	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°	3665	3665	3665
5°	3682	3666	3672
10°	3681	3663	3671
15°	3675	3659	3666
20°	3664	3645	3648
25°	3634	3623	3625
30°	3605	3585	3585
35°	3556	3534	3538
40°	3475	3446	3431
45°	3337	3283	3266
50°	3080	3035	3007
55°	2742	2702	2684
60°	2390	2363	2339
65°	2094	2096	2084
70°	1884	1879	1852
75°	1755	1704	1707
80°	1567	1538	1538
85°	1209	1244	1198



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	3.7
10°-20°	696.2	10.7
20°-30°	1055.5	16.2
30°-40°	1262.4	19.4
40°-50°	1246.4	19.1
50°-60°	970.2	14.9
60°-70°	615.9	9.5
70°-80°	330.5	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°	1994.1	30.6
0°-40°	3256.4	50.0
0°-60°	5473.0	84.1
0°-90°	6509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2558	2550	2547	2546	2552	243
15°	2476	2467	2465	2462	2470	699
25°	2297	2292	2290	2285	2291	1059
35°	2031	2027	2019	2013	2021	1270
45°	1645	1634	1619	1611	1610	1263
55°	1097	1091	1081	1074	1074	982
65°	617	619	618	610	614	619
75°	317	312	308	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°	2555.8	2555.8	2555.8	2555.8	2555.8
2.5°	2564.4	2555.8	2553.0	2551.5	2558.0
5°	2558.0	2550.1	2547.3	2545.8	2551.5
7.5°	2547.3	2538.0	2535.1	2533.7	2540.1
10°	2528.0	2519.4	2515.9	2515.9	2521.6
12.5°	2505.2	2498.0	2494.5	2491.6	2498.0
15°	2475.9	2467.3	2465.2	2462.3	2469.5
17.5°	2440.9	2432.4	2429.5	2428.1	2433.1
20°	2401.0	2390.3	2388.9	2388.1	2391.0
22.5°	2351.7	2346.0	2343.2	2341.8	2343.9
25°	2296.8	2292.5	2289.7	2285.4	2291.1
27.5°	2243.3	2237.6	2230.4	2226.9	2230.4
30°	2177.6	2170.5	2165.5	2164.1	2165.5
32.5°	2109.9	2102.7	2096.3	2095.6	2094.9
35°	2031.4	2027.1	2019.2	2012.8	2021.4
37.5°	1953.6	1943.6	1936.5	1928.6	1926.5
40°	1856.6	1853.0	1840.9	1833.7	1833.0
42.5°	1762.4	1746.0	1737.4	1732.4	1724.6
45°	1645.4	1634.0	1619.0	1611.1	1610.4
47.5°	1523.4	1509.1	1494.8	1484.1	1487.0
50°	1380.7	1374.2	1360.7	1351.4	1347.8
52.5°	1233.7	1232.2	1218.0	1212.3	1205.8
55°	1096.7	1091.0	1081.0	1073.8	1073.8
57.5°	961.8	956.8	951.8	938.3	938.3
60°	833.4	832.7	824.1	816.3	815.5
62.5°	718.5	722.8	714.9	707.1	702.8
65°	617.2	619.3	617.9	610.1	614.3
67.5°	528.0	528.7	525.9	521.6	524.4
70°	449.5	453.1	448.1	445.2	441.7
72.5°	381.0	379.6	375.3	377.4	372.5
75°	316.8	311.8	307.5	306.8	308.2
77.5°	252.6	251.2	247.6	247.6	245.4
80°	189.8	188.4	186.2	186.9	186.2
82.5°	134.9	131.3	128.4	129.9	130.6
85°	73.5	74.9	75.6	75.6	72.8
87.5°	30.0	29.3	30.0	31.4	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)