

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: P738593

Luminaire Tested: **24PT-60-PC3-L840**

Issue Date: 2/8/2024



**Test Information**

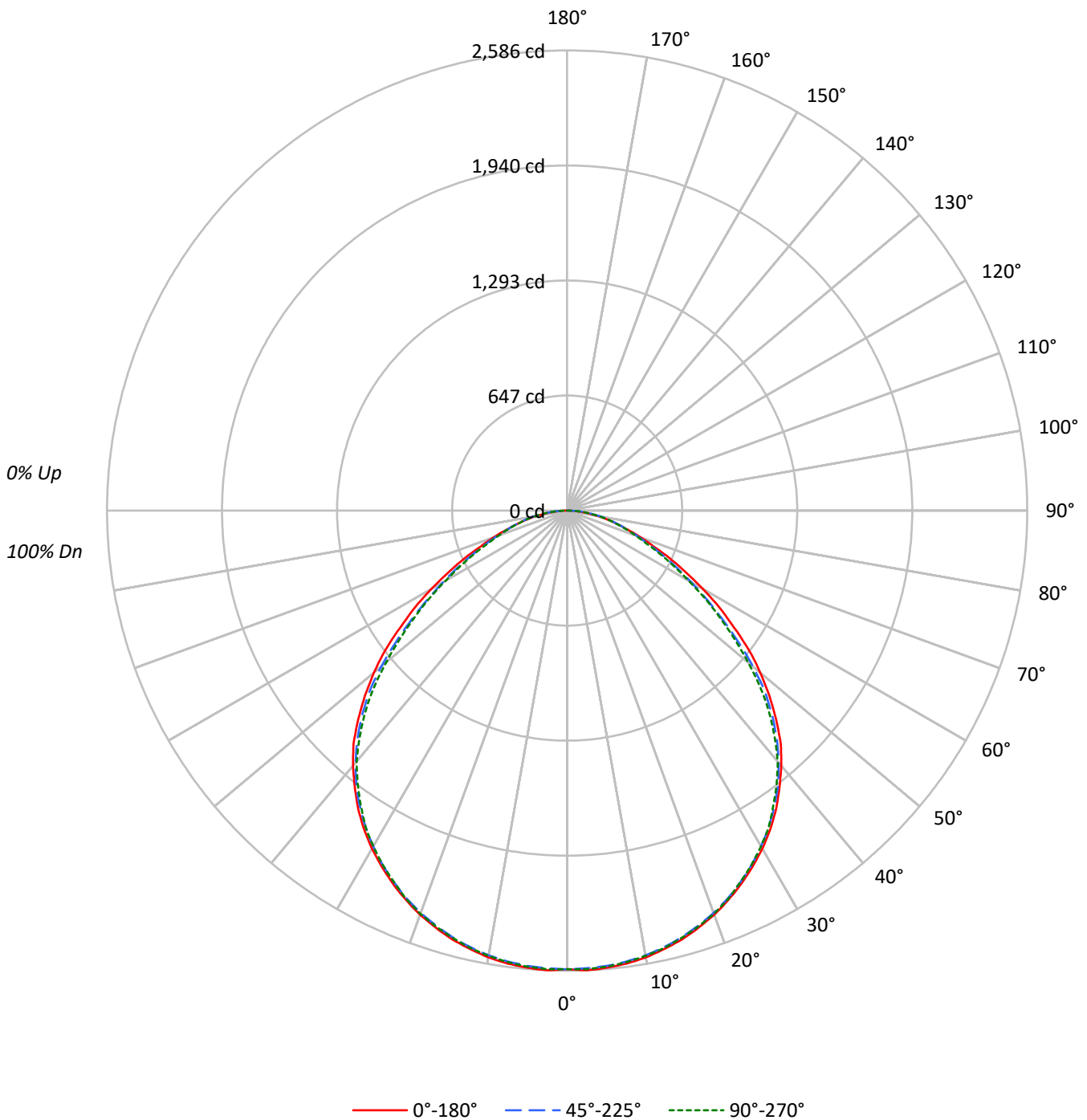
Test Method: LM-79-08  
Report Number: P738593  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-60-PC3-L840  
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6501.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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<sub>in</sub>): 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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3695	3695	3695
5°	3712	3696	3703
10°	3712	3695	3700
15°	3703	3686	3691
20°	3689	3671	3679
25°	3663	3645	3644
30°	3632	3608	3607
35°	3583	3555	3538
40°	3503	3461	3445
45°	3367	3305	3258
50°	3162	3040	2960
55°	2858	2665	2614
60°	2528	2306	2261
65°	2161	1998	1947
70°	1831	1753	1702
75°	1605	1633	1578
80°	1439	1587	1499
85°	1216	1451	1380



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.4	3.8
10°-20°	701.4	10.8
20°-30°	1062.5	16.3
30°-40°	1269.1	19.5
40°-50°	1251.9	19.3
50°-60°	969.2	14.9
60°-70°	595.7	9.2
70°-80°	312.1	4.8
80°-90°	94.6	1.5
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°	2008.3	30.9
0°-40°	3277.4	50.4
0°-60°	5498.6	84.6
0°-90°	6501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6501.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2577	2577	2577	2577	2577	
5°	2579	2571	2568	2566	2573	245
15°	2495	2487	2483	2481	2486	704
25°	2315	2308	2304	2302	2303	1067
35°	2047	2038	2031	2024	2021	1278
45°	1661	1648	1630	1612	1607	1277
55°	1143	1112	1066	1050	1046	1026
65°	637	608	589	572	574	635
75°	290	293	295	289	285	312
85°	74	82	88	86	84	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2577.3	2577.3	2577.3	2577.3	2577.3
2.5°	2585.9	2578.0	2574.4	2573.7	2579.4
5°	2578.7	2570.8	2567.9	2566.5	2573.0
7.5°	2567.2	2558.6	2555.7	2553.6	2559.3
10°	2549.3	2540.7	2537.8	2536.4	2541.4
12.5°	2523.5	2515.6	2513.4	2511.3	2517.7
15°	2494.8	2486.9	2483.3	2481.1	2486.2
17.5°	2457.5	2451.0	2446.7	2446.7	2451.0
20°	2417.3	2409.4	2405.8	2403.7	2410.9
22.5°	2367.8	2362.8	2358.5	2354.9	2362.8
25°	2315.4	2308.3	2304.0	2302.5	2303.3
27.5°	2255.9	2250.9	2245.2	2243.0	2244.4
30°	2193.5	2187.1	2179.2	2174.9	2178.4
32.5°	2123.9	2114.6	2108.1	2103.8	2108.9
35°	2047.2	2037.9	2030.7	2024.2	2021.4
37.5°	1959.7	1956.8	1946.8	1935.3	1934.6
40°	1871.4	1863.5	1849.2	1844.2	1840.6
42.5°	1776.8	1760.3	1745.2	1730.8	1725.8
45°	1660.6	1648.4	1629.7	1612.5	1606.8
47.5°	1541.5	1525.7	1507.8	1477.6	1474.1
50°	1417.4	1394.4	1362.9	1337.8	1327.0
52.5°	1288.3	1257.4	1213.7	1192.2	1186.4
55°	1143.4	1112.5	1065.9	1050.1	1045.8
57.5°	1014.3	969.1	931.1	913.1	918.9
60°	881.6	837.8	804.1	786.9	788.3
62.5°	751.7	717.3	692.2	675.7	677.8
65°	637.0	607.6	588.9	571.7	573.8
67.5°	524.3	510.7	497.1	487.0	481.3
70°	436.8	431.1	418.2	408.9	406.0
72.5°	357.2	360.8	350.0	347.2	346.5
75°	289.8	292.7	294.8	289.1	284.8
77.5°	231.7	236.0	244.6	236.7	235.3
80°	174.3	182.9	192.2	187.2	181.5
82.5°	121.9	132.7	141.3	134.9	132.0
85°	73.9	82.5	88.2	86.1	83.9
87.5°	33.0	35.9	38.7	39.5	38.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)