

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: P738009

Luminaire Tested: **14PT-80-PP3-L840**

Issue Date: 2/8/2024



**Test Information**

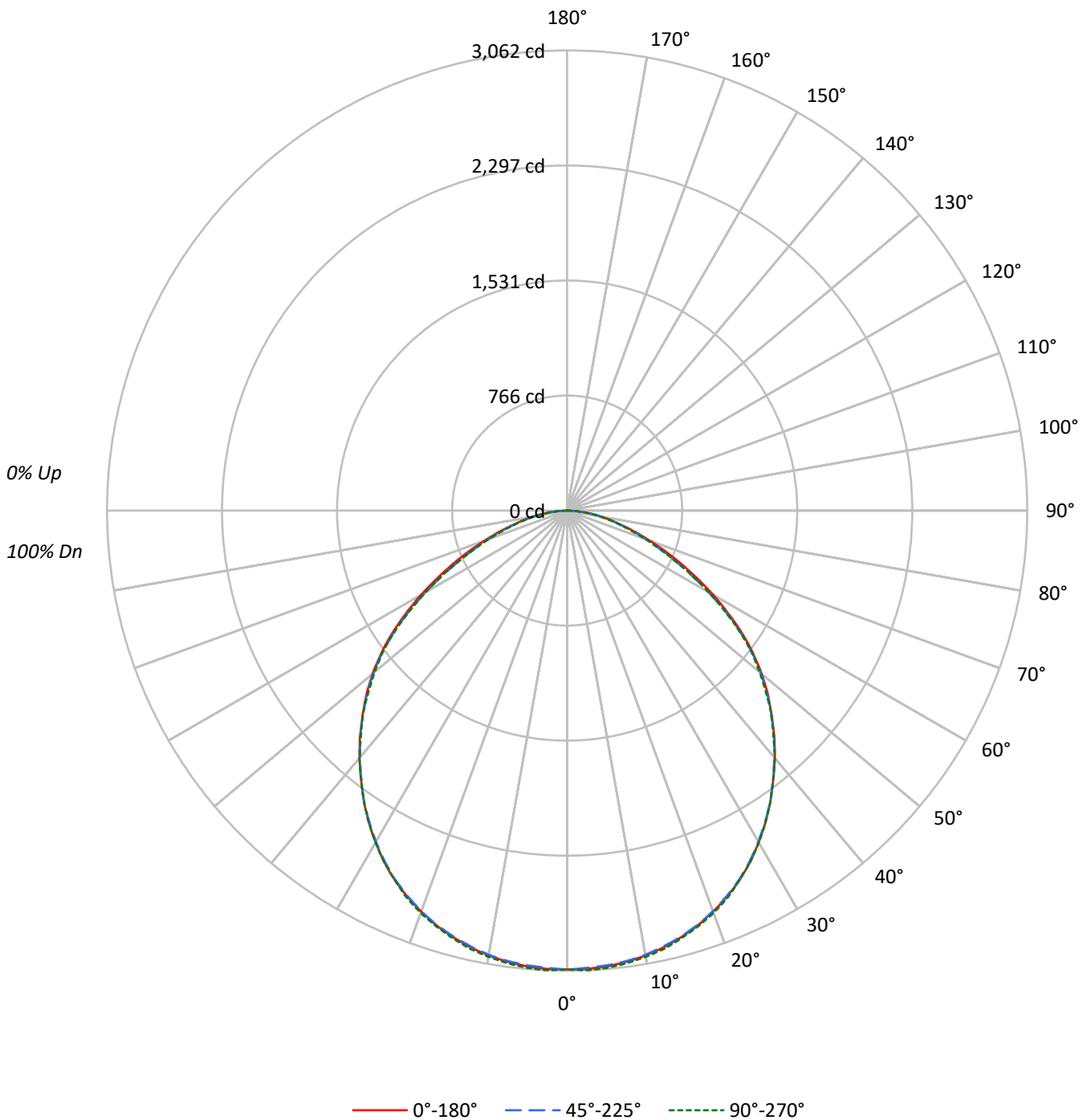
Test Method: LM-79-08  
Report Number: P738009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PP3-L840  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7889.0 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 71  
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	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	96	99	96	93	95	92	90	91	89	87	85				
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61				
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53				
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46				
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40				
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36				
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32				
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29				
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26				

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

	0°	45°	90°
0°	9154	9154	9154
5°	9162	9142	9192
10°	9150	9136	9180
15°	9119	9102	9143
20°	9059	9052	9091
25°	8978	8964	8975
30°	8828	8809	8828
35°	8635	8623	8631
40°	8414	8388	8410
45°	8162	8139	8148
50°	7888	7852	7795
55°	7426	7339	7316
60°	6738	6512	6526
65°	5920	5621	5614
70°	5119	4886	4828
75°	4428	4262	4172
80°	3923	3866	3693
85°	3240	3354	3165



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.6	3.7
10°-20°	829.5	10.5
20°-30°	1248.9	15.8
30°-40°	1474.0	18.7
40°-50°	1482.5	18.8
50°-60°	1251.5	15.9
60°-70°	803.8	10.2
70°-80°	399.8	5.1
80°-90°	109.5	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°	2368.0	30.0
0°-40°	3842.0	48.7
0°-60°	6575.9	83.4
0°-90°	7889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7889.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3053	3053	3053	3053	3053	
5°	3044	3046	3038	3052	3054	289
15°	2938	2939	2932	2946	2946	829
25°	2714	2715	2710	2715	2713	1249
35°	2359	2361	2356	2358	2358	1475
45°	1925	1932	1920	1922	1922	1486
55°	1421	1420	1404	1399	1400	1264
65°	834	822	792	785	791	832
75°	382	380	368	365	360	414
85°	94	98	98	92	92	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3053.2	3053.2	3053.2	3053.2	3053.2
2.5°	3052.1	3053.2	3045.5	3059.9	3062.1
5°	3044.3	3045.5	3037.7	3052.1	3054.3
7.5°	3028.8	3029.9	3023.3	3036.6	3038.8
10°	3005.6	3008.9	3001.1	3013.3	3015.5
12.5°	2976.7	2977.8	2970.1	2984.5	2986.7
15°	2938.0	2939.1	2932.4	2945.7	2945.7
17.5°	2893.6	2894.7	2890.3	2901.4	2900.3
20°	2839.3	2842.6	2837.1	2844.9	2849.3
22.5°	2780.6	2781.7	2775.0	2785.0	2789.4
25°	2714.1	2715.2	2709.7	2715.2	2713.0
27.5°	2636.5	2638.7	2631.0	2636.5	2637.6
30°	2550.1	2555.6	2544.5	2549.0	2550.1
32.5°	2457.0	2460.3	2452.5	2453.6	2459.2
35°	2359.4	2360.6	2356.1	2358.3	2358.3
37.5°	2254.2	2258.6	2251.9	2255.3	2250.8
40°	2150.0	2145.6	2143.3	2145.6	2148.9
42.5°	2040.3	2041.4	2038.1	2035.8	2030.3
45°	1925.0	1931.7	1919.5	1921.7	1921.7
47.5°	1812.0	1813.1	1806.4	1799.8	1795.4
50°	1691.2	1691.2	1683.4	1677.9	1671.2
52.5°	1559.3	1557.1	1548.2	1542.7	1546.0
55°	1420.8	1419.7	1404.1	1398.6	1399.7
57.5°	1268.9	1271.2	1247.9	1242.3	1242.3
60°	1123.8	1112.7	1086.1	1078.3	1088.3
62.5°	971.9	958.6	929.8	929.8	937.6
65°	834.5	822.3	792.4	784.6	791.3
67.5°	706.0	694.9	667.2	662.7	664.9
70°	584.0	574.1	557.4	547.5	550.8
72.5°	478.8	469.9	458.8	451.1	446.6
75°	382.3	380.1	367.9	364.6	360.2
77.5°	302.6	301.4	291.5	287.0	282.6
80°	227.2	226.1	223.9	217.2	213.9
82.5°	161.8	161.8	160.7	155.2	151.8
85°	94.2	97.5	97.5	92.0	92.0
87.5°	37.7	39.9	37.7	37.7	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)