

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: P738002

Luminaire Tested: **14PT-80-PL1-L850**

Issue Date: 2/8/2024



**Test Information**

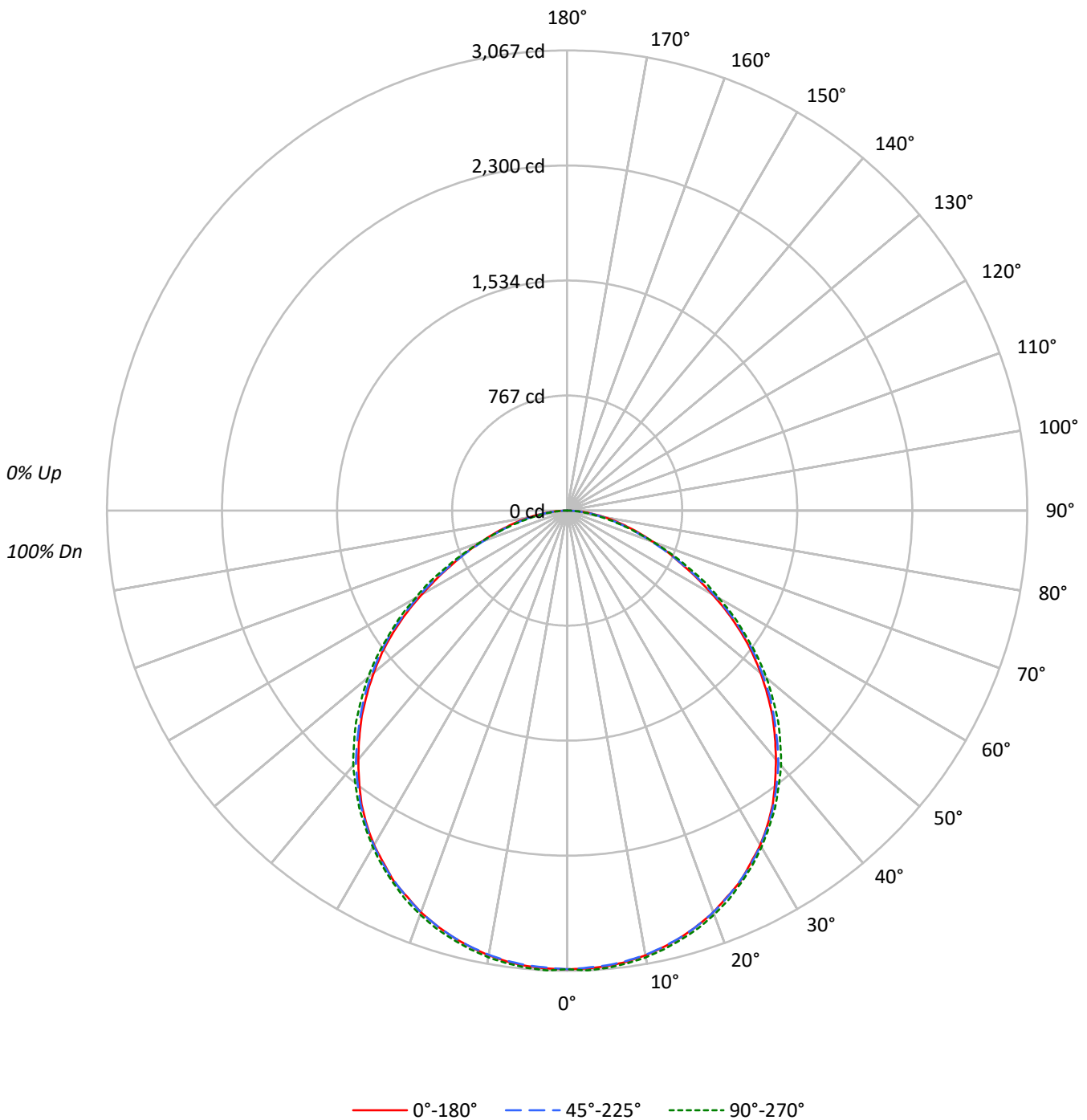
Test Method: LM-79-08  
Report Number: P738002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PL1-L850  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8059.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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

TEST NUMBER: P738002  
CATALOG NUMBER: 14PT-80-PL1-L850

### 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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	9166	9166	9166
5°	9173	9156	9208
10°	9162	9152	9204
15°	9134	9131	9176
20°	9089	9089	9139
25°	9027	9015	9064
30°	8913	8925	8968
35°	8743	8777	8847
40°	8472	8569	8680
45°	8208	8275	8434
50°	7846	7930	8089
55°	7389	7508	7596
60°	6704	6846	7016
65°	5954	6019	6260
70°	5322	5213	5342
75°	4803	4527	4435
80°	4361	4049	3598
85°	3701	3350	2883



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.0	3.6
10°-20°	831.8	10.3
20°-30°	1258.2	15.6
30°-40°	1499.7	18.6
40°-50°	1508.0	18.7
50°-60°	1279.8	15.9
60°-70°	852.2	10.6
70°-80°	425.5	5.3
80°-90°	113.8	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°	2379.9	29.5
0°-40°	3879.6	48.1
0°-60°	6667.5	82.7
0°-90°	8059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8059.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3057	3057	3057	3057	3057	
5°	3048	3049	3042	3056	3060	290
15°	2943	2946	2942	2954	2956	830
25°	2729	2729	2725	2738	2740	1255
35°	2389	2391	2398	2415	2417	1490
45°	1936	1939	1952	1978	1989	1489
55°	1414	1424	1436	1450	1453	1260
65°	839	846	848	861	882	841
75°	415	409	391	382	383	445
85°	108	105	97	92	84	124
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3057.2	3057.2	3057.2	3057.2	3057.2
2.5°	3054.9	3057.2	3049.3	3064.0	3067.4
5°	3048.1	3049.3	3042.5	3056.1	3059.5
7.5°	3033.4	3034.6	3027.8	3042.5	3044.7
10°	3009.6	3011.9	3006.2	3019.8	3023.2
12.5°	2979.1	2982.4	2976.8	2991.5	2993.8
15°	2942.8	2946.2	2941.7	2954.1	2956.4
17.5°	2898.6	2900.9	2898.6	2910.0	2916.8
20°	2848.8	2848.8	2848.8	2859.0	2864.6
22.5°	2786.5	2792.2	2789.9	2803.5	2809.1
25°	2728.7	2728.7	2725.3	2737.8	2740.0
27.5°	2648.3	2657.4	2656.2	2667.6	2669.8
30°	2574.7	2576.9	2578.1	2586.0	2590.5
32.5°	2485.2	2487.5	2490.8	2502.2	2503.3
35°	2388.9	2391.2	2398.0	2415.0	2417.2
37.5°	2276.8	2289.2	2294.9	2313.0	2315.3
40°	2164.6	2172.6	2189.5	2208.8	2217.9
42.5°	2050.2	2059.3	2069.5	2095.5	2103.5
45°	1935.8	1939.2	1951.7	1977.7	1989.1
47.5°	1809.0	1819.1	1830.5	1853.1	1859.9
50°	1682.1	1693.4	1700.2	1720.6	1734.2
52.5°	1554.1	1564.3	1572.2	1584.7	1598.3
55°	1413.6	1423.8	1436.3	1449.9	1453.3
57.5°	1270.9	1282.2	1290.2	1304.9	1319.6
60°	1118.0	1130.5	1141.8	1155.4	1170.1
62.5°	975.3	980.9	992.3	1014.9	1036.4
65°	839.3	846.1	848.4	860.9	882.4
67.5°	726.1	726.1	715.9	720.4	744.2
70°	607.1	602.6	594.7	590.1	609.4
72.5°	510.9	505.2	488.2	480.3	490.5
75°	414.6	408.9	390.8	381.7	382.9
77.5°	333.0	324.0	309.2	293.4	290.0
80°	252.6	249.2	234.5	219.7	208.4
82.5°	179.0	171.0	163.1	154.0	145.0
85°	107.6	105.3	97.4	91.8	83.8
87.5°	44.2	44.2	41.9	39.6	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)