

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: P738026

Luminaire Tested: **14PT-80-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PW1-L850
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

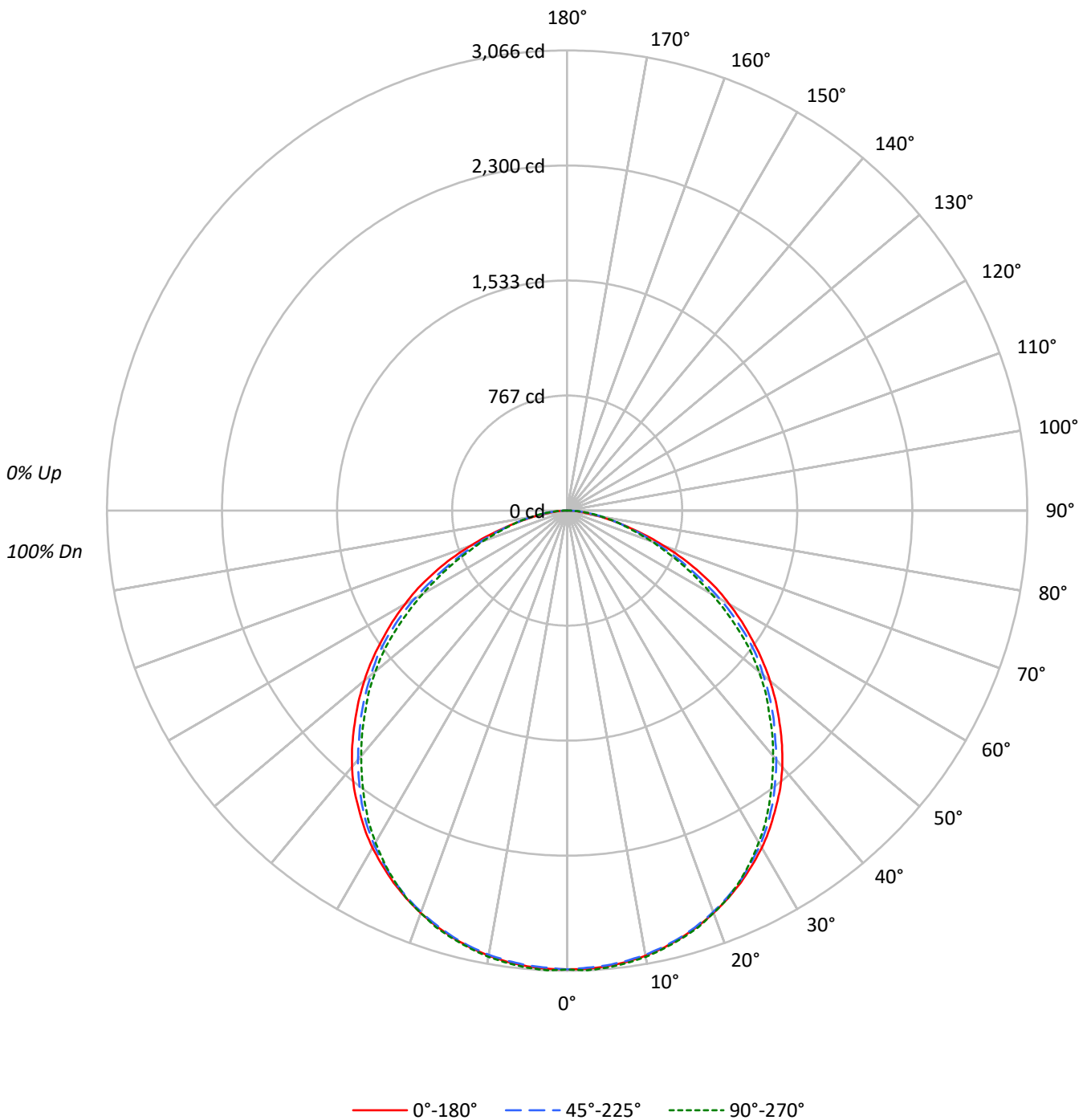
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8112.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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_{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	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9165	9165	9165
5°	9172	9152	9200
10°	9168	9148	9192
15°	9140	9126	9161
20°	9102	9081	9102
25°	9052	9014	9007
30°	8983	8904	8842
35°	8863	8730	8618
40°	8728	8488	8355
45°	8485	8236	8068
50°	8230	7961	7776
55°	7885	7619	7317
60°	7477	7036	6669
65°	6918	6283	5970
70°	5997	5471	5262
75°	4789	4683	4552
80°	3638	4068	4068
85°	2687	3467	3467



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.9	3.6
10°-20°	831.5	10.2
20°-30°	1256.6	15.5
30°-40°	1492.1	18.4
40°-50°	1503.3	18.5
50°-60°	1299.4	16.0
60°-70°	888.1	10.9
70°-80°	438.0	5.4
80°-90°	113.3	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°	2377.9	29.3
0°-40°	3870.0	47.7
0°-60°	6672.7	82.3
0°-90°	8112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3057	3057	3057	3057	3057	
5°	3048	3049	3041	3054	3057	290
15°	2945	2948	2940	2950	2952	831
25°	2736	2734	2725	2727	2723	1261
35°	2422	2414	2385	2364	2355	1516
45°	2001	1980	1942	1920	1903	1545
55°	1509	1504	1458	1415	1400	1349
65°	975	940	886	847	842	963
75°	413	410	404	404	393	450
85°	78	92	101	103	101	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3056.9	3056.9	3056.9	3056.9	3056.9
2.5°	3055.7	3056.9	3048.9	3062.5	3065.9
5°	3047.8	3048.9	3041.0	3053.5	3056.9
7.5°	3033.1	3035.3	3026.3	3038.7	3041.0
10°	3011.6	3012.7	3004.8	3017.2	3019.5
12.5°	2982.1	2983.2	2976.4	2987.8	2987.8
15°	2944.7	2948.1	2940.2	2950.4	2951.5
17.5°	2902.8	2904.0	2896.0	2907.4	2909.6
20°	2853.0	2853.0	2846.2	2855.3	2853.0
22.5°	2797.5	2797.5	2789.6	2794.1	2796.4
25°	2736.3	2734.1	2725.0	2727.3	2722.7
27.5°	2666.1	2666.1	2650.3	2650.3	2642.3
30°	2594.8	2589.1	2572.1	2561.9	2554.0
32.5°	2513.2	2505.3	2483.8	2465.6	2460.0
35°	2421.5	2413.5	2385.2	2363.7	2354.7
37.5°	2333.1	2315.0	2277.6	2256.1	2245.9
40°	2230.1	2207.4	2168.9	2139.5	2134.9
42.5°	2119.1	2101.0	2051.1	2029.6	2023.9
45°	2001.3	1979.8	1942.4	1919.7	1902.8
47.5°	1885.8	1869.9	1826.9	1799.7	1794.0
50°	1764.6	1751.0	1706.8	1677.4	1667.2
52.5°	1638.9	1629.8	1592.4	1555.0	1542.6
55°	1508.6	1504.1	1457.6	1414.6	1399.9
57.5°	1380.6	1375.0	1317.2	1267.4	1253.8
60°	1247.0	1230.0	1173.4	1126.9	1112.2
62.5°	1120.1	1083.9	1022.7	986.5	969.5
65°	975.2	940.0	885.7	847.2	841.5
67.5°	832.5	790.5	748.6	724.9	706.7
70°	684.1	655.8	624.1	603.7	600.3
72.5°	545.9	525.5	509.7	497.2	487.0
75°	413.4	410.0	404.3	404.3	393.0
77.5°	303.5	311.5	316.0	314.9	317.1
80°	210.7	226.5	235.6	236.7	235.6
82.5°	133.6	151.8	166.5	168.8	171.0
85°	78.1	91.7	100.8	103.1	100.8
87.5°	35.1	44.2	46.4	48.7	46.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)