

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: P738024

Luminaire Tested: **14PT-80-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738024
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-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

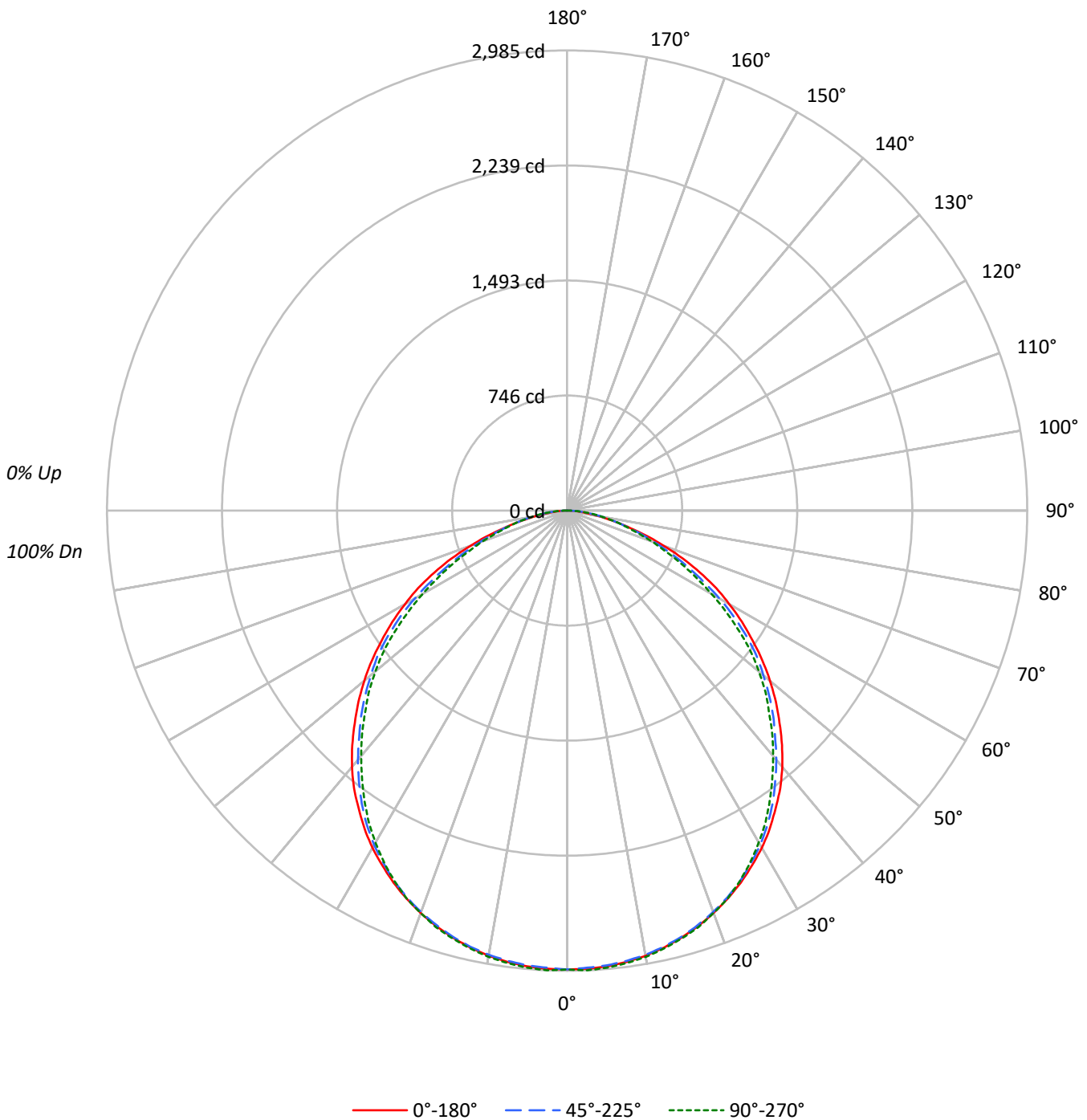
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7898.0 lumens
Efficiency: N/A
Efficacy: 111.2 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	48	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°	8923	8923	8923
5°	8930	8911	8957
10°	8926	8906	8950
15°	8899	8885	8919
20°	8862	8841	8862
25°	8813	8776	8769
30°	8746	8670	8608
35°	8629	8500	8390
40°	8497	8265	8135
45°	8261	8019	7855
50°	8013	7751	7571
55°	7677	7418	7124
60°	7280	6850	6493
65°	6735	6117	5812
70°	5838	5326	5123
75°	4662	4560	4432
80°	3541	3961	3961
85°	2618	3375	3375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	3.6
10°-20°	809.5	10.2
20°-30°	1223.4	15.5
30°-40°	1452.7	18.4
40°-50°	1463.6	18.5
50°-60°	1265.1	16.0
60°-70°	864.6	10.9
70°-80°	426.4	5.4
80°-90°	110.3	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°	2315.2	29.3
0°-40°	3767.9	47.7
0°-60°	6496.7	82.3
0°-90°	7898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2976	2976	2976	2976	2976	
5°	2967	2968	2961	2973	2976	282
15°	2867	2870	2863	2873	2874	809
25°	2664	2662	2653	2655	2651	1227
35°	2358	2350	2322	2301	2292	1476
45°	1948	1928	1891	1869	1853	1504
55°	1469	1464	1419	1377	1363	1313
65°	949	915	862	825	819	937
75°	402	399	394	394	383	439
85°	76	89	98	100	98	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2976.2	2976.2	2976.2	2976.2	2976.2
2.5°	2975.1	2976.2	2968.5	2981.7	2985.0
5°	2967.4	2968.5	2960.8	2972.9	2976.2
7.5°	2953.1	2955.3	2946.4	2958.6	2960.8
10°	2932.1	2933.2	2925.5	2937.6	2939.8
12.5°	2903.4	2904.5	2897.9	2909.0	2909.0
15°	2867.0	2870.4	2862.6	2872.6	2873.7
17.5°	2826.2	2827.4	2819.6	2830.7	2832.9
20°	2777.7	2777.7	2771.1	2779.9	2777.7
22.5°	2723.7	2723.7	2716.0	2720.4	2722.6
25°	2664.2	2661.9	2653.1	2655.3	2650.9
27.5°	2595.8	2595.8	2580.3	2580.3	2572.6
30°	2526.3	2520.8	2504.3	2494.3	2486.6
32.5°	2446.9	2439.2	2418.2	2400.6	2395.1
35°	2357.6	2349.9	2322.3	2301.4	2292.5
37.5°	2271.6	2253.9	2217.6	2196.6	2186.7
40°	2171.2	2149.2	2111.7	2083.0	2078.6
42.5°	2063.2	2045.5	1997.0	1976.1	1970.5
45°	1948.5	1927.5	1891.2	1869.1	1852.6
47.5°	1836.0	1820.6	1778.7	1752.2	1746.7
50°	1718.0	1704.8	1661.8	1633.1	1623.2
52.5°	1595.6	1586.8	1550.4	1514.0	1501.9
55°	1468.8	1464.4	1419.2	1377.3	1363.0
57.5°	1344.2	1338.7	1282.5	1233.9	1220.7
60°	1214.1	1197.5	1142.4	1097.2	1082.9
62.5°	1090.6	1055.3	995.7	960.5	943.9
65°	949.4	915.3	862.3	824.8	819.3
67.5°	810.5	769.7	728.9	705.7	688.1
70°	666.0	638.5	607.6	587.7	584.4
72.5°	531.5	511.7	496.2	484.1	474.2
75°	402.5	399.2	393.7	393.7	382.6
77.5°	295.5	303.2	307.7	306.6	308.8
80°	205.1	220.5	229.4	230.5	229.4
82.5°	130.1	147.8	162.1	164.3	166.5
85°	76.1	89.3	98.1	100.3	98.1
87.5°	34.2	43.0	45.2	47.4	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)