

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: P738025

Luminaire Tested: **14PT-80-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738025
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-L840
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

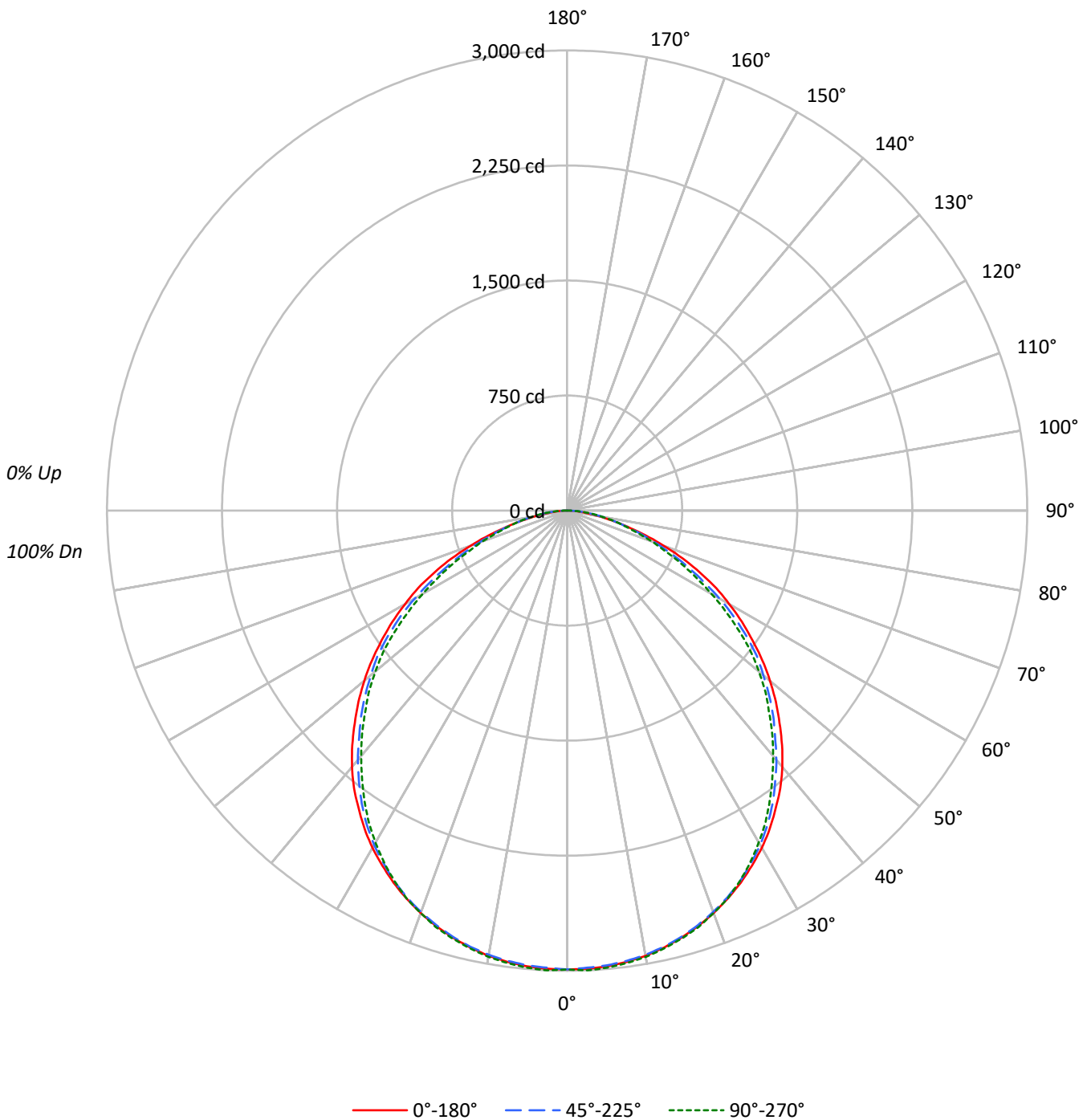
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7938.0 lumens
Efficiency: N/A
Efficacy: 111.8 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°	8968	8968	8968
5°	8976	8956	9002
10°	8972	8951	8995
15°	8944	8930	8964
20°	8907	8886	8907
25°	8858	8821	8814
30°	8790	8713	8652
35°	8672	8543	8433
40°	8540	8306	8176
45°	8303	8059	7894
50°	8054	7790	7609
55°	7717	7456	7160
60°	7316	6885	6526
65°	6769	6148	5842
70°	5868	5353	5149
75°	4686	4584	4455
80°	3558	3980	3980
85°	2632	3392	3392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.7	3.6
10°-20°	813.6	10.2
20°-30°	1229.6	15.5
30°-40°	1460.1	18.4
40°-50°	1471.0	18.5
50°-60°	1271.5	16.0
60°-70°	869.0	10.9
70°-80°	428.6	5.4
80°-90°	110.8	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°	2326.9	29.3
0°-40°	3787.0	47.7
0°-60°	6529.6	82.3
0°-90°	7938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2991	2991	2991	2991	2991	
5°	2982	2984	2976	2988	2991	284
15°	2882	2885	2877	2887	2888	813
25°	2678	2675	2667	2669	2664	1233
35°	2370	2362	2334	2313	2304	1483
45°	1958	1937	1901	1879	1862	1511
55°	1476	1472	1426	1384	1370	1320
65°	954	920	867	829	824	942
75°	404	401	396	396	385	441
85°	76	90	99	101	99	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2991.3	2991.3	2991.3	2991.3	2991.3
2.5°	2990.2	2991.3	2983.5	2996.8	3000.2
5°	2982.4	2983.5	2975.8	2988.0	2991.3
7.5°	2968.0	2970.2	2961.4	2973.6	2975.8
10°	2947.0	2948.1	2940.3	2952.5	2954.7
12.5°	2918.1	2919.3	2912.6	2923.7	2923.7
15°	2881.6	2884.9	2877.1	2887.1	2888.2
17.5°	2840.6	2841.7	2833.9	2845.0	2847.2
20°	2791.8	2791.8	2785.1	2794.0	2791.8
22.5°	2737.5	2737.5	2729.7	2734.2	2736.4
25°	2677.6	2675.4	2666.6	2668.8	2664.3
27.5°	2608.9	2608.9	2593.4	2593.4	2585.7
30°	2539.1	2533.6	2516.9	2507.0	2499.2
32.5°	2459.3	2451.6	2430.5	2412.8	2407.2
35°	2369.5	2361.8	2334.1	2313.0	2304.1
37.5°	2283.1	2265.4	2228.8	2207.7	2197.8
40°	2182.2	2160.1	2122.4	2093.6	2089.1
42.5°	2073.6	2055.9	2007.1	1986.1	1980.5
45°	1958.4	1937.3	1900.7	1878.6	1861.9
47.5°	1845.3	1829.8	1787.7	1761.1	1755.5
50°	1726.7	1713.4	1670.2	1641.4	1631.4
52.5°	1603.7	1594.8	1558.3	1521.7	1509.5
55°	1476.3	1471.8	1426.4	1384.3	1369.9
57.5°	1351.0	1345.5	1288.9	1240.2	1226.9
60°	1220.2	1203.6	1148.2	1102.8	1088.3
62.5°	1096.1	1060.6	1000.8	965.3	948.7
65°	954.2	919.9	866.7	829.0	823.5
67.5°	814.6	773.6	732.6	709.3	691.6
70°	669.4	641.7	610.7	590.7	587.4
72.5°	534.2	514.2	498.7	486.5	476.6
75°	404.5	401.2	395.7	395.7	384.6
77.5°	297.0	304.8	309.2	308.1	310.3
80°	206.1	221.7	230.5	231.6	230.5
82.5°	130.8	148.5	162.9	165.1	167.4
85°	76.5	89.8	98.6	100.9	98.6
87.5°	34.4	43.2	45.4	47.7	45.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)