

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: P738029

Luminaire Tested: **14PT-80-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738029
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-L940
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

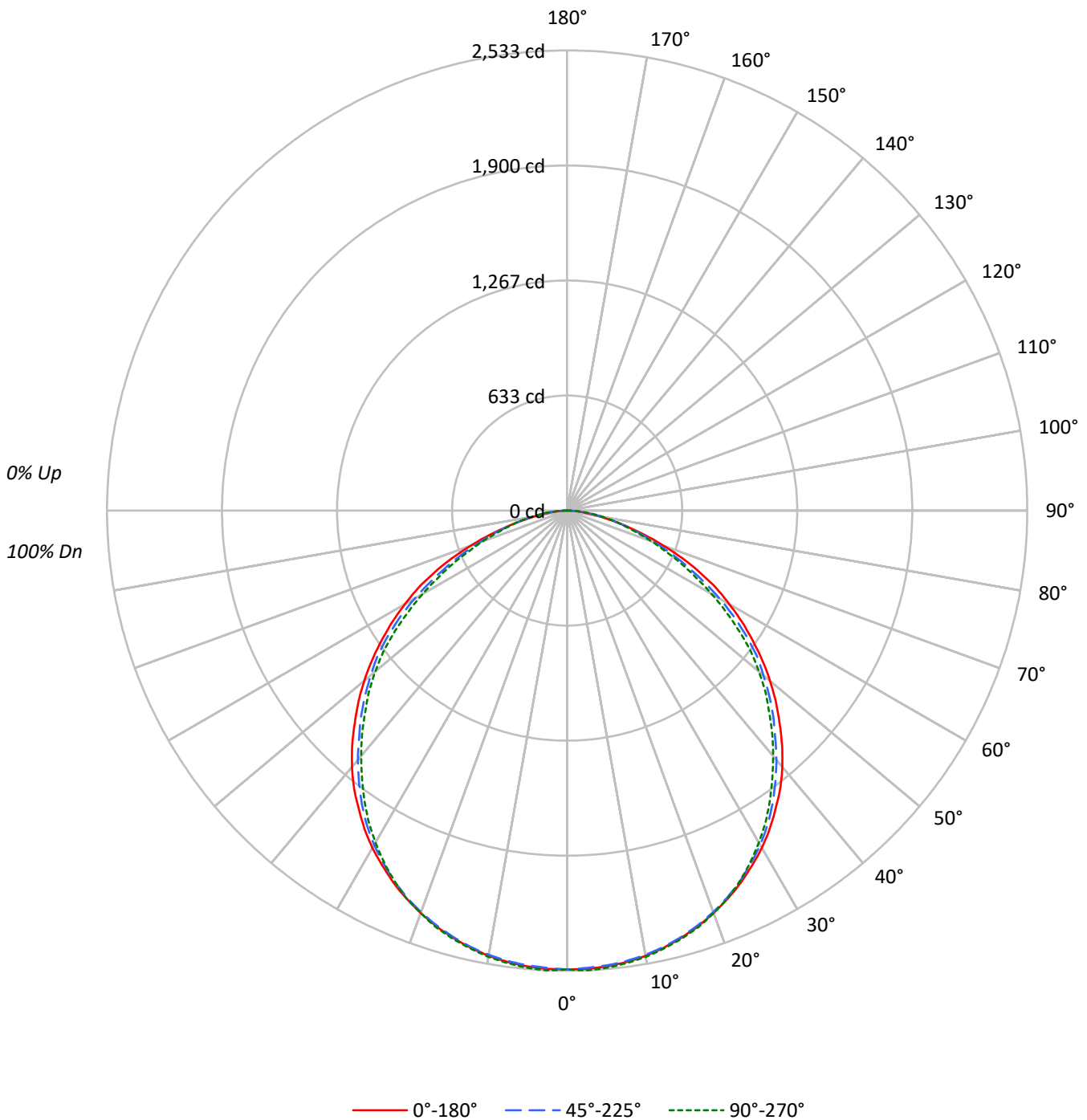
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6703.0 lumens
Efficiency: N/A
Efficacy: 94.4 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°	7573	7573	7573
5°	7579	7562	7602
10°	7576	7559	7596
15°	7553	7541	7570
20°	7521	7503	7521
25°	7480	7449	7442
30°	7423	7358	7306
35°	7323	7213	7121
40°	7212	7014	6904
45°	7012	6805	6666
50°	6801	6578	6425
55°	6516	6296	6046
60°	6178	5814	5510
65°	5716	5191	4932
70°	4955	4521	4348
75°	3957	3870	3761
80°	3006	3362	3362
85°	2222	2865	2865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	3.6
10°-20°	687.0	10.2
20°-30°	1038.3	15.5
30°-40°	1232.9	18.4
40°-50°	1242.2	18.5
50°-60°	1073.7	16.0
60°-70°	733.8	10.9
70°-80°	361.9	5.4
80°-90°	93.6	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°	1964.9	29.3
0°-40°	3197.8	47.7
0°-60°	5513.7	82.3
0°-90°	6703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2526	2526	2526	2526	2526	
5°	2518	2519	2513	2523	2526	239
15°	2433	2436	2430	2438	2439	687
25°	2261	2259	2252	2254	2250	1042
35°	2001	1994	1971	1953	1946	1253
45°	1654	1636	1605	1586	1572	1276
55°	1247	1243	1204	1169	1157	1115
65°	806	777	732	700	695	795
75°	342	339	334	334	325	372
85°	65	76	83	85	83	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.9	2525.9	2525.9	2525.9	2525.9
2.5°	2525.0	2525.9	2519.4	2530.6	2533.4
5°	2518.4	2519.4	2512.8	2523.1	2525.9
7.5°	2506.3	2508.1	2500.6	2510.9	2512.8
10°	2488.5	2489.4	2482.9	2493.1	2495.0
12.5°	2464.1	2465.1	2459.5	2468.8	2468.8
15°	2433.3	2436.1	2429.5	2437.9	2438.9
17.5°	2398.6	2399.6	2393.0	2402.4	2404.2
20°	2357.4	2357.4	2351.8	2359.3	2357.4
22.5°	2311.6	2311.6	2305.0	2308.8	2310.7
25°	2261.1	2259.2	2251.7	2253.6	2249.8
27.5°	2203.0	2203.0	2189.9	2189.9	2183.4
30°	2144.1	2139.4	2125.4	2116.9	2110.4
32.5°	2076.7	2070.1	2052.4	2037.4	2032.7
35°	2000.9	1994.3	1970.9	1953.2	1945.7
37.5°	1927.9	1912.9	1882.0	1864.2	1855.8
40°	1842.7	1824.0	1792.2	1767.9	1764.1
42.5°	1751.0	1736.0	1694.9	1677.1	1672.4
45°	1653.7	1635.9	1605.0	1586.3	1572.3
47.5°	1558.2	1545.1	1509.6	1487.1	1482.4
50°	1458.1	1446.8	1410.4	1386.0	1377.6
52.5°	1354.2	1346.7	1315.8	1284.9	1274.7
55°	1246.6	1242.8	1204.5	1168.9	1156.7
57.5°	1140.8	1136.1	1088.4	1047.2	1036.0
60°	1030.4	1016.4	969.6	931.2	919.0
62.5°	925.6	895.6	845.1	815.1	801.1
65°	805.8	776.8	731.8	700.0	695.3
67.5°	687.9	653.2	618.6	599.0	584.0
70°	565.3	541.9	515.7	498.8	496.0
72.5°	451.1	434.2	421.1	410.8	402.4
75°	341.6	338.8	334.1	334.1	324.7
77.5°	250.8	257.4	261.1	260.2	262.0
80°	174.1	187.2	194.7	195.6	194.7
82.5°	110.4	125.4	137.6	139.4	141.3
85°	64.6	75.8	83.3	85.2	83.3
87.5°	29.0	36.5	38.4	40.2	38.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)