

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: P737981

Luminaire Tested: **14PT-70-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737981
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-70-PW1-L940
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

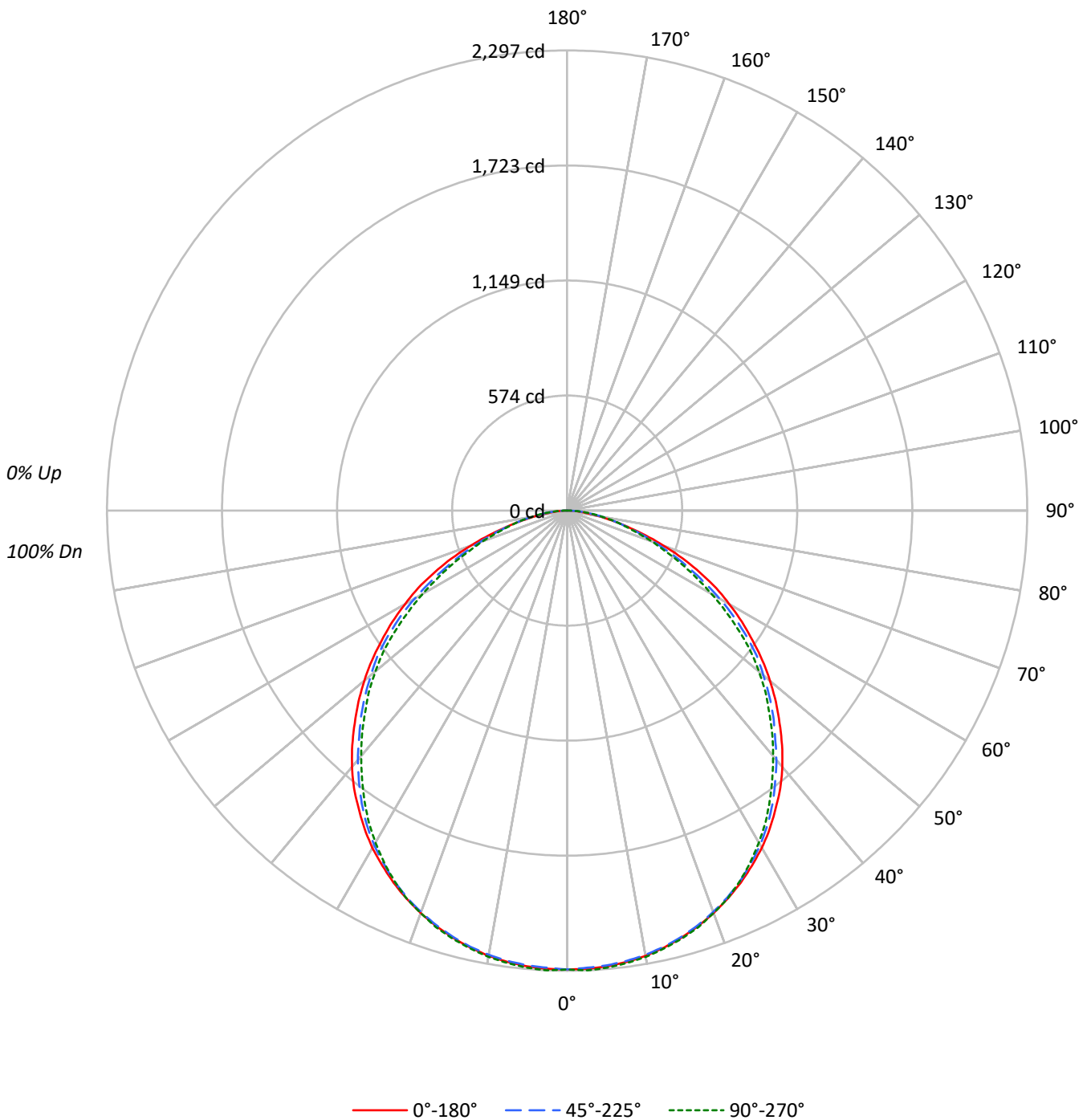
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6078.0 lumens
Efficiency: N/A
Efficacy: 96.9 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): 62.7
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°	6867	6867	6867
5°	6873	6857	6893
10°	6869	6854	6887
15°	6848	6838	6864
20°	6820	6804	6820
25°	6782	6754	6748
30°	6731	6672	6625
35°	6640	6541	6457
40°	6539	6360	6260
45°	6358	6171	6045
50°	6167	5965	5826
55°	5908	5709	5483
60°	5602	5272	4997
65°	5183	4708	4473
70°	4493	4099	3943
75°	3587	3510	3411
80°	2724	3047	3047
85°	2016	2597	2597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	3.6
10°-20°	623.0	10.2
20°-30°	941.5	15.5
30°-40°	1118.0	18.4
40°-50°	1126.3	18.5
50°-60°	973.6	16.0
60°-70°	665.4	10.9
70°-80°	328.2	5.4
80°-90°	84.9	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°	1781.7	29.3
0°-40°	2899.7	47.7
0°-60°	4999.6	82.3
0°-90°	6078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2290	2290	2290	2290	2290	
5°	2284	2284	2278	2288	2290	217
15°	2206	2209	2203	2211	2212	623
25°	2050	2048	2042	2043	2040	944
35°	1814	1808	1787	1771	1764	1136
45°	1500	1483	1455	1438	1426	1157
55°	1130	1127	1092	1060	1049	1011
65°	731	704	664	635	630	721
75°	310	307	303	303	294	337
85°	59	69	76	77	76	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2290.4	2290.4	2290.4	2290.4	2290.4
2.5°	2289.5	2290.4	2284.4	2294.6	2297.2
5°	2283.6	2284.4	2278.5	2287.8	2290.4
7.5°	2272.6	2274.3	2267.5	2276.8	2278.5
10°	2256.4	2257.3	2251.3	2260.7	2262.4
12.5°	2234.4	2235.2	2230.1	2238.6	2238.6
15°	2206.4	2208.9	2203.0	2210.6	2211.5
17.5°	2175.0	2175.8	2169.9	2178.4	2180.1
20°	2137.6	2137.6	2132.5	2139.3	2137.6
22.5°	2096.1	2096.1	2090.1	2093.5	2095.2
25°	2050.2	2048.5	2041.7	2043.4	2040.0
27.5°	1997.6	1997.6	1985.7	1985.7	1979.8
30°	1944.2	1939.9	1927.2	1919.5	1913.6
32.5°	1883.1	1877.1	1861.0	1847.4	1843.2
35°	1814.3	1808.4	1787.2	1771.0	1764.2
37.5°	1748.1	1734.5	1706.5	1690.4	1682.8
40°	1670.9	1653.9	1625.1	1603.0	1599.6
42.5°	1587.7	1574.2	1536.8	1520.7	1516.5
45°	1499.5	1483.4	1455.4	1438.4	1425.7
47.5°	1412.9	1401.0	1368.8	1348.4	1344.2
50°	1322.1	1311.9	1278.8	1256.8	1249.1
52.5°	1227.9	1221.1	1193.1	1165.1	1155.8
55°	1130.3	1126.9	1092.2	1059.9	1048.9
57.5°	1034.4	1030.2	986.9	949.6	939.4
60°	934.3	921.6	879.2	844.4	833.3
62.5°	839.3	812.1	766.3	739.1	726.4
65°	730.6	704.3	663.6	634.8	630.5
67.5°	623.7	592.3	560.9	543.1	529.5
70°	512.6	491.3	467.6	452.3	449.8
72.5°	409.0	393.8	381.9	372.5	364.9
75°	309.7	307.2	303.0	303.0	294.5
77.5°	227.4	233.4	236.8	235.9	237.6
80°	157.8	169.7	176.5	177.4	176.5
82.5°	100.1	113.7	124.7	126.4	128.1
85°	58.6	68.7	75.5	77.2	75.5
87.5°	26.3	33.1	34.8	36.5	34.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)