

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050363

Luminaire Tested: PTR-14-60-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PP3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

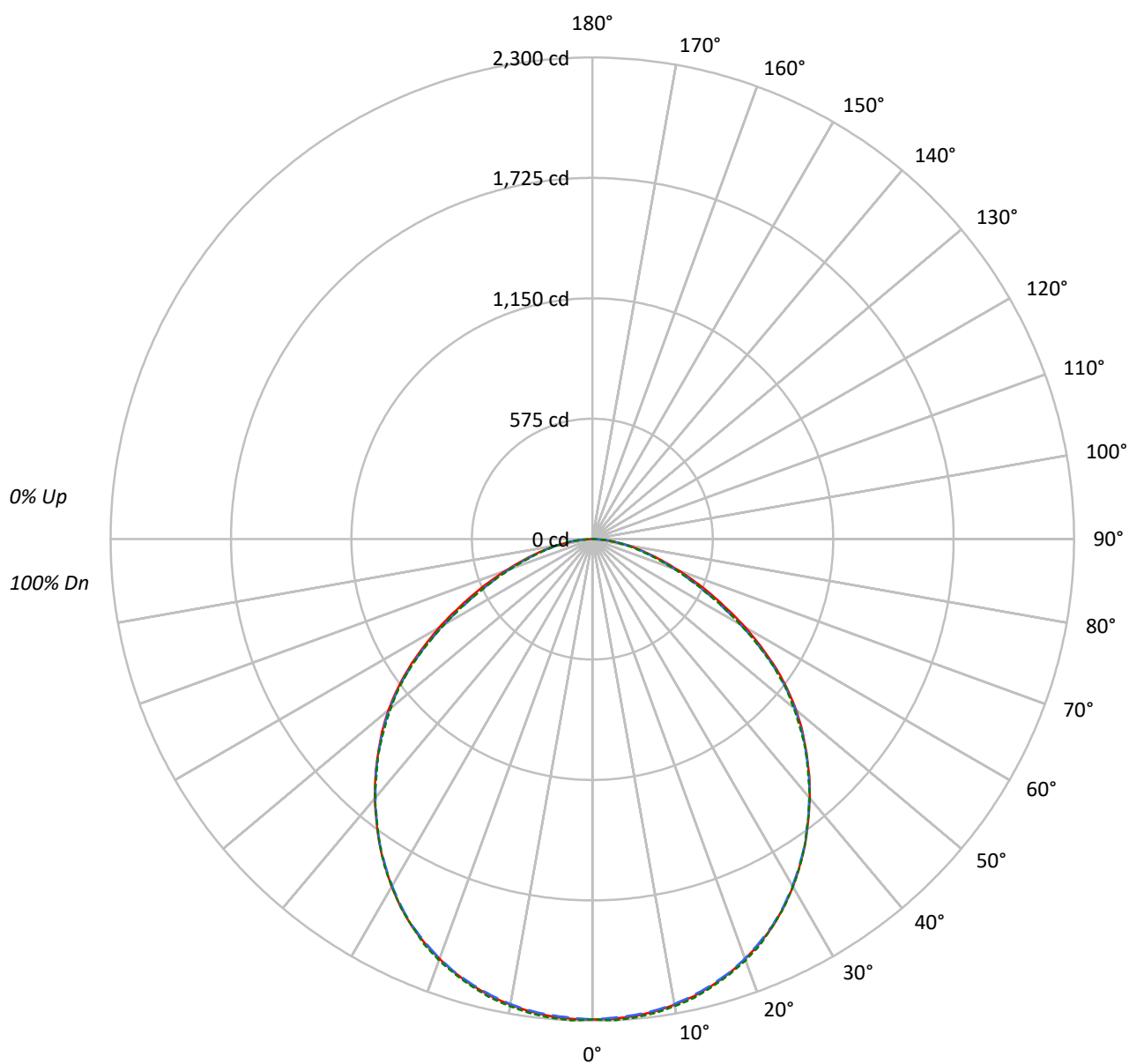
Lumens per Lamp: N/A
Luminaire Lumens: 5926.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6172	6172	6172
5°	6178	6164	6197
10°	6169	6160	6189
15°	6149	6137	6165
20°	6108	6103	6129
25°	6054	6044	6051
30°	5952	5940	5952
35°	5822	5814	5820
40°	5674	5655	5670
45°	5503	5487	5493
50°	5319	5294	5256
55°	5007	4949	4933
60°	4544	4391	4399
65°	3991	3791	3785
70°	3451	3294	3256
75°	2985	2875	2811
80°	2644	2607	2489
85°	2186	2260	2130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.7
10°-20°	623.1	10.5
20°-30°	938.1	15.8
30°-40°	1107.2	18.7
40°-50°	1113.6	18.8
50°-60°	940.1	15.9
60°-70°	603.7	10.2
70°-80°	300.3	5.1
80°-90°	82.3	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°	1778.8	30.0
0°-40°	2886.0	48.7
0°-60°	4939.7	83.4
0°-90°	5926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2287	2288	2282	2293	2294	217
15°	2207	2208	2203	2213	2213	623
25°	2039	2040	2036	2040	2038	938
35°	1772	1773	1770	1772	1772	1108
45°	1446	1451	1442	1444	1444	1116
55°	1067	1066	1055	1051	1052	949
65°	627	618	595	589	594	625
75°	287	286	276	274	270	311
85°	71	73	73	69	69	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.6	2293.6	2293.6	2293.6	2293.6
2.5°	2292.7	2293.6	2287.5	2298.4	2300.2
5°	2286.9	2287.5	2281.8	2292.7	2294.2
7.5°	2275.1	2276.0	2270.9	2280.9	2282.7
10°	2257.6	2260.3	2254.2	2263.6	2265.1
12.5°	2236.1	2237.0	2231.0	2241.8	2243.7
15°	2207.1	2207.7	2202.8	2212.8	2212.8
17.5°	2173.5	2174.4	2171.1	2179.5	2178.6
20°	2132.9	2135.4	2131.1	2136.9	2140.2
22.5°	2088.8	2089.7	2084.5	2092.1	2095.4
25°	2038.9	2039.5	2035.5	2039.5	2038.0
27.5°	1980.5	1982.0	1976.2	1980.5	1981.4
30°	1915.4	1919.7	1911.5	1914.8	1915.4
32.5°	1845.6	1848.0	1842.2	1843.1	1847.4
35°	1772.4	1773.3	1769.9	1771.5	1771.5
37.5°	1693.4	1696.7	1691.6	1694.0	1690.7
40°	1615.1	1611.7	1609.9	1611.7	1614.2
42.5°	1532.5	1533.4	1531.0	1529.2	1525.2
45°	1446.0	1451.1	1441.7	1443.5	1443.5
47.5°	1361.3	1361.9	1357.0	1351.9	1348.6
50°	1270.5	1270.5	1264.5	1260.5	1255.4
52.5°	1171.3	1169.8	1163.1	1158.9	1161.3
55°	1067.2	1066.3	1054.8	1050.6	1051.5
57.5°	953.2	955.0	937.5	933.2	933.2
60°	844.3	835.8	815.8	810.1	817.4
62.5°	729.9	720.0	698.5	698.5	704.2
65°	626.8	617.7	595.3	589.3	594.4
67.5°	530.3	521.8	501.2	497.9	499.4
70°	438.6	431.4	418.7	411.1	413.8
72.5°	359.7	353.0	344.6	338.8	335.5
75°	287.1	285.6	276.5	273.8	270.4
77.5°	227.2	226.6	219.0	215.7	212.4
80°	170.6	169.7	168.2	163.0	160.6
82.5°	121.6	121.6	120.7	116.5	114.0
85°	70.8	73.2	73.2	69.0	69.0
87.5°	28.4	29.9	28.4	28.4	27.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)