

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: P1050392

Luminaire Tested: PTR-14-80-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PR1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

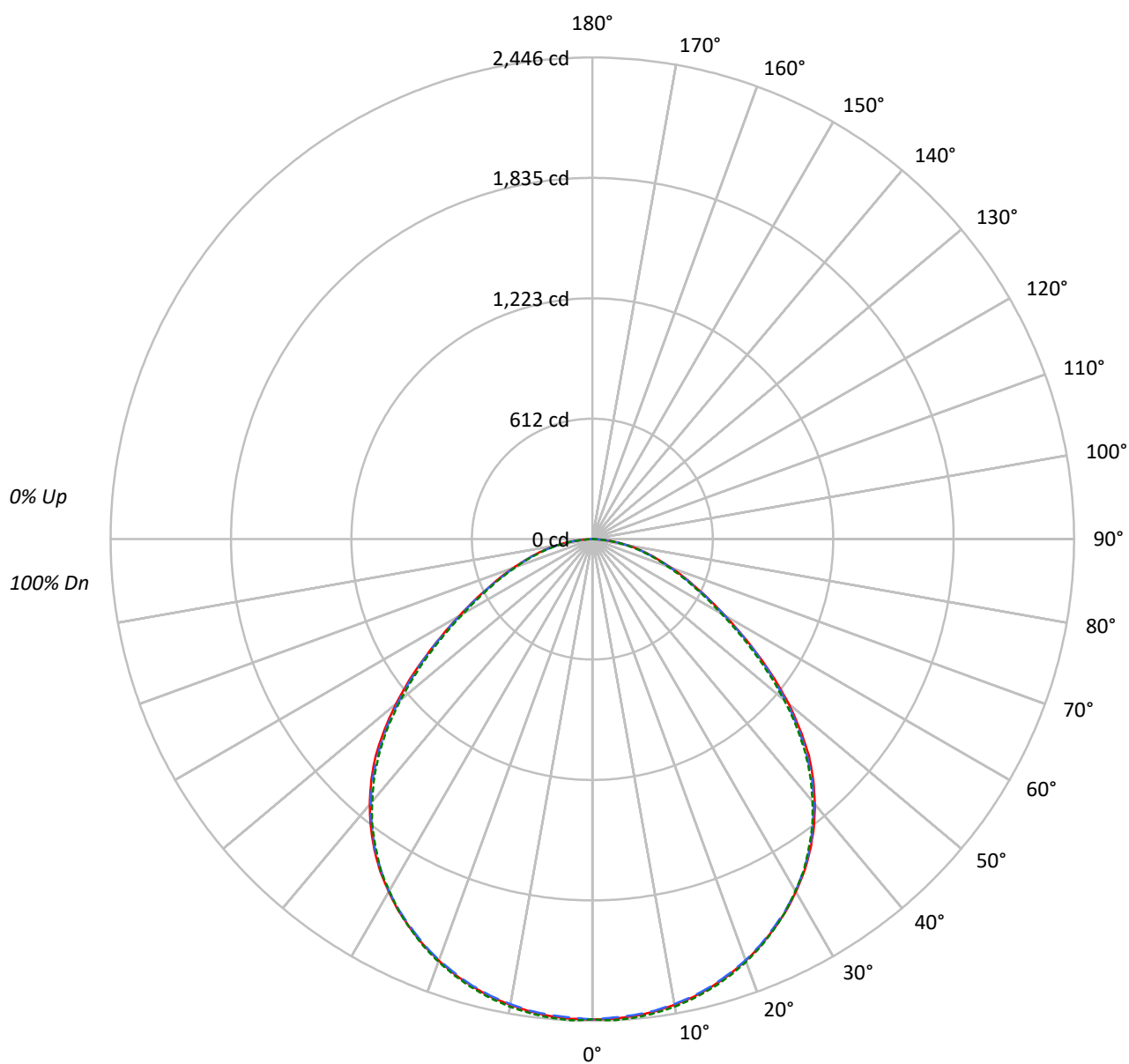
Lumens per Lamp: N/A
Luminaire Lumens: 6168.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6563	6563	6563
5°	6569	6555	6591
10°	6564	6552	6588
15°	6551	6542	6573
20°	6524	6516	6541
25°	6481	6465	6489
30°	6424	6416	6408
35°	6335	6321	6295
40°	6176	6151	6107
45°	5918	5851	5809
50°	5445	5384	5317
55°	4819	4798	4704
60°	4188	4173	4060
65°	3691	3668	3596
70°	3349	3301	3234
75°	3100	3028	2972
80°	2830	2791	2696
85°	2235	2217	2127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	3.8
10°-20°	664.0	10.8
20°-30°	1006.0	16.3
30°-40°	1200.9	19.5
40°-50°	1181.0	19.1
50°-60°	912.8	14.8
60°-70°	575.6	9.3
70°-80°	311.3	5.0
80°-90°	85.0	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°	1901.3	30.8
0°-40°	3102.2	50.3
0°-60°	5196.0	84.2
0°-90°	6168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2439	2439	2439	2439	2439	
5°	2432	2433	2426	2437	2440	231
15°	2352	2352	2348	2356	2359	664
25°	2183	2184	2178	2184	2186	1006
35°	1928	1929	1924	1922	1916	1204
45°	1555	1549	1538	1526	1526	1191
55°	1027	1036	1023	1006	1003	922
65°	580	581	576	566	565	583
75°	298	295	291	293	286	317
85°	72	73	72	72	69	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2438.0	2438.9	2431.9	2443.4	2445.9
5°	2431.9	2432.9	2426.5	2437.0	2439.9
7.5°	2419.5	2421.5	2415.4	2425.9	2428.4
10°	2402.1	2404.0	2397.9	2408.4	2411.0
12.5°	2380.5	2381.1	2376.0	2385.6	2388.1
15°	2351.6	2352.2	2348.1	2355.7	2359.2
17.5°	2318.2	2319.2	2313.1	2322.7	2324.3
20°	2278.2	2278.8	2275.4	2283.3	2284.2
22.5°	2233.4	2235.3	2229.9	2236.9	2237.9
25°	2182.9	2184.5	2177.5	2184.5	2185.5
27.5°	2129.6	2130.2	2124.2	2129.6	2128.6
30°	2067.3	2072.7	2064.8	2062.9	2062.2
32.5°	2002.8	2003.5	1995.9	1993.9	1997.4
35°	1928.5	1929.2	1924.1	1921.5	1916.1
37.5°	1847.2	1847.2	1837.4	1835.8	1834.8
40°	1758.0	1757.0	1751.0	1744.9	1738.6
42.5°	1660.8	1662.7	1650.3	1639.8	1638.2
45°	1555.0	1549.0	1537.5	1525.5	1526.4
47.5°	1430.2	1431.8	1416.2	1406.4	1403.8
50°	1300.6	1300.6	1286.0	1275.5	1270.1
52.5°	1165.3	1166.3	1152.3	1138.3	1135.5
55°	1027.1	1035.7	1022.7	1006.2	1002.7
57.5°	897.9	904.9	892.5	875.0	874.1
60°	778.1	778.8	775.3	758.8	754.3
62.5°	675.9	671.4	669.5	660.9	655.5
65°	579.6	580.6	576.1	566.3	564.7
67.5°	501.8	500.9	492.9	486.9	483.4
70°	425.6	423.1	419.6	414.5	411.0
72.5°	357.6	357.6	354.8	353.2	347.1
75°	298.2	294.7	291.2	292.8	285.8
77.5°	241.4	237.9	235.0	231.5	229.9
80°	182.6	179.1	180.1	174.7	174.0
82.5°	126.7	126.7	125.1	120.7	121.6
85°	72.4	73.4	71.8	72.4	68.9
87.5°	26.4	27.0	28.9	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)