

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: P1050245

Luminaire Tested: PTR-14-80-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PL1-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

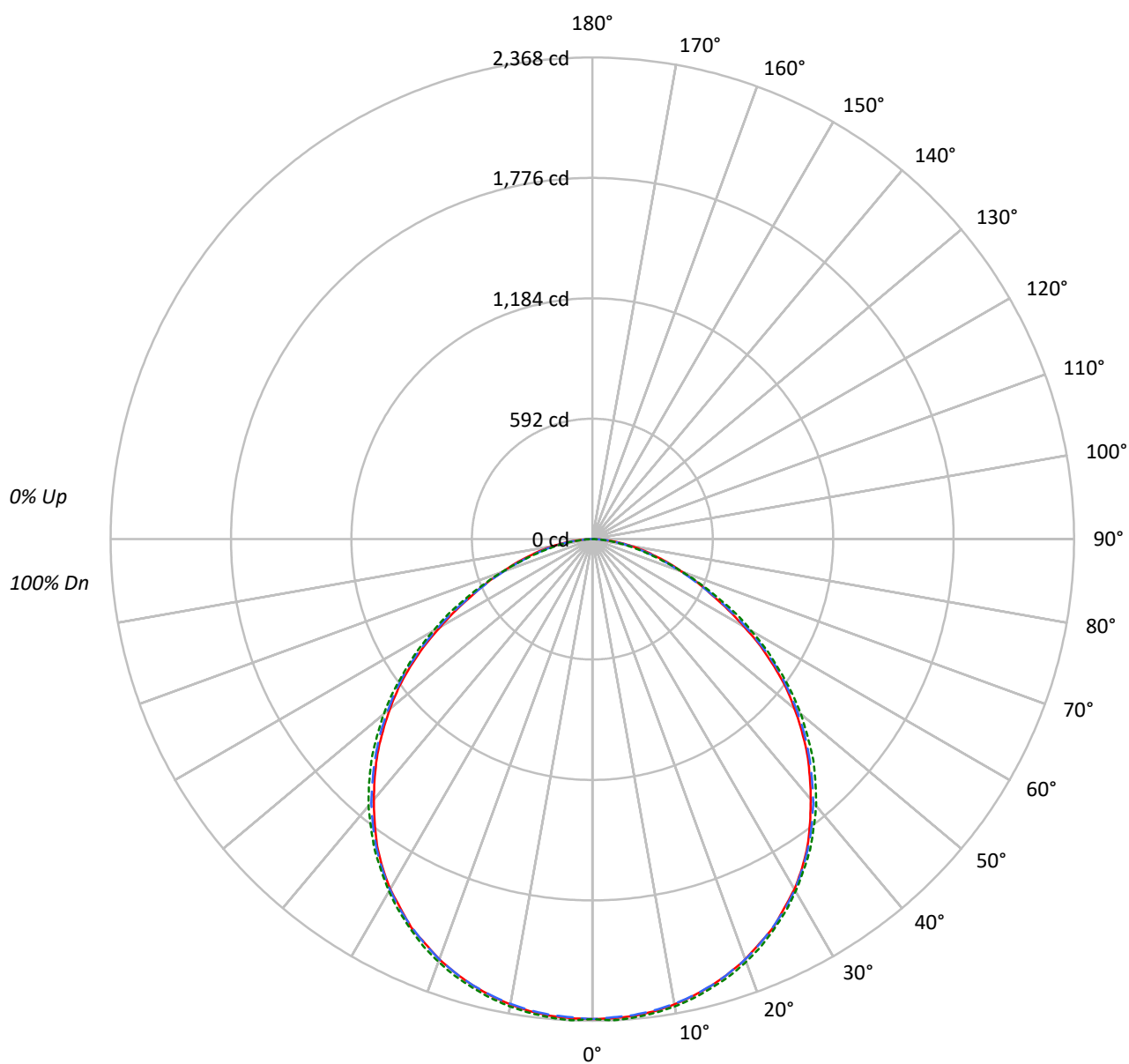
Lumens per Lamp: N/A
Luminaire Lumens: 6219.8 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050245

CATALOG NUMBER: PTR-14-80-PL1-L930-UNV-STD-W

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	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6350	6350	6350
5°	6355	6343	6378
10°	6347	6340	6375
15°	6328	6325	6357
20°	6296	6296	6331
25°	6253	6245	6279
30°	6174	6183	6213
35°	6057	6080	6129
40°	5869	5937	6013
45°	5686	5733	5843
50°	5435	5494	5603
55°	5119	5202	5263
60°	4644	4743	4860
65°	4124	4169	4337
70°	3687	3611	3702
75°	3326	3135	3071
80°	3022	2806	2490
85°	2560	2325	2001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5843 cd/sqm

TEST NUMBER: P1050245

CATALOG NUMBER: PTR-14-80-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	3.6
10°-20°	642.0	10.3
20°-30°	971.0	15.6
30°-40°	1157.4	18.6
40°-50°	1163.9	18.7
50°-60°	987.8	15.9
60°-70°	657.7	10.6
70°-80°	328.4	5.3
80°-90°	87.8	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°	1836.8	29.5
0°-40°	2994.3	48.1
0°-60°	5145.9	82.7
0°-90°	6219.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6219.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2360	2360	2360	2360	2360	
5°	2353	2353	2348	2359	2361	224
15°	2271	2274	2270	2280	2282	641
25°	2106	2106	2103	2113	2115	968
35°	1844	1846	1851	1864	1866	1150
45°	1494	1496	1506	1526	1535	1149
55°	1091	1099	1109	1119	1122	972
65°	648	653	655	665	681	649
75°	320	315	302	294	295	344
85°	83	81	75	71	65	96
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-80-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.6	2359.6	2359.6	2359.6	2359.6
2.5°	2357.7	2359.6	2353.3	2364.7	2367.6
5°	2352.6	2353.3	2348.2	2358.7	2361.2
7.5°	2341.2	2342.1	2336.7	2348.2	2349.8
10°	2322.8	2324.7	2320.2	2330.7	2333.2
12.5°	2299.3	2301.8	2297.4	2308.8	2310.7
15°	2271.3	2273.8	2270.4	2279.9	2281.8
17.5°	2237.0	2238.9	2237.0	2245.9	2251.0
20°	2198.6	2198.6	2198.6	2206.5	2210.9
22.5°	2150.6	2155.0	2153.1	2163.6	2168.1
25°	2106.1	2106.1	2103.3	2113.1	2114.7
27.5°	2043.9	2050.8	2050.2	2058.8	2060.7
30°	1987.0	1988.9	1989.9	1995.9	1999.4
32.5°	1918.1	1919.6	1922.5	1931.1	1932.0
35°	1843.7	1845.6	1850.7	1863.7	1865.6
37.5°	1757.3	1766.9	1771.3	1785.3	1786.9
40°	1670.6	1676.6	1690.0	1704.6	1711.6
42.5°	1582.3	1589.3	1597.2	1617.2	1623.6
45°	1494.0	1496.5	1506.4	1526.4	1535.3
47.5°	1396.1	1404.1	1412.7	1430.1	1435.5
50°	1298.3	1306.9	1312.3	1327.8	1338.3
52.5°	1199.5	1207.4	1213.5	1223.0	1233.5
55°	1091.2	1098.8	1108.7	1119.1	1121.7
57.5°	980.9	989.5	995.9	1007.0	1018.4
60°	862.8	872.6	881.2	891.7	903.1
62.5°	752.9	757.0	765.9	783.4	799.9
65°	647.7	653.1	654.7	664.6	681.1
67.5°	560.4	560.4	552.4	555.9	574.3
70°	468.6	465.1	459.0	455.5	470.5
72.5°	394.2	389.8	376.8	370.7	378.7
75°	319.9	315.4	301.5	294.5	295.4
77.5°	257.0	250.0	238.6	226.5	224.0
80°	195.0	192.2	181.1	169.6	160.7
82.5°	138.2	132.1	125.8	118.8	111.8
85°	82.9	81.3	75.3	70.8	64.8
87.5°	34.0	34.0	32.4	30.5	28.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)