

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: P1050911

Luminaire Tested: 24PTR-60-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050911
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: 24PTR-60-PP3-L935-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

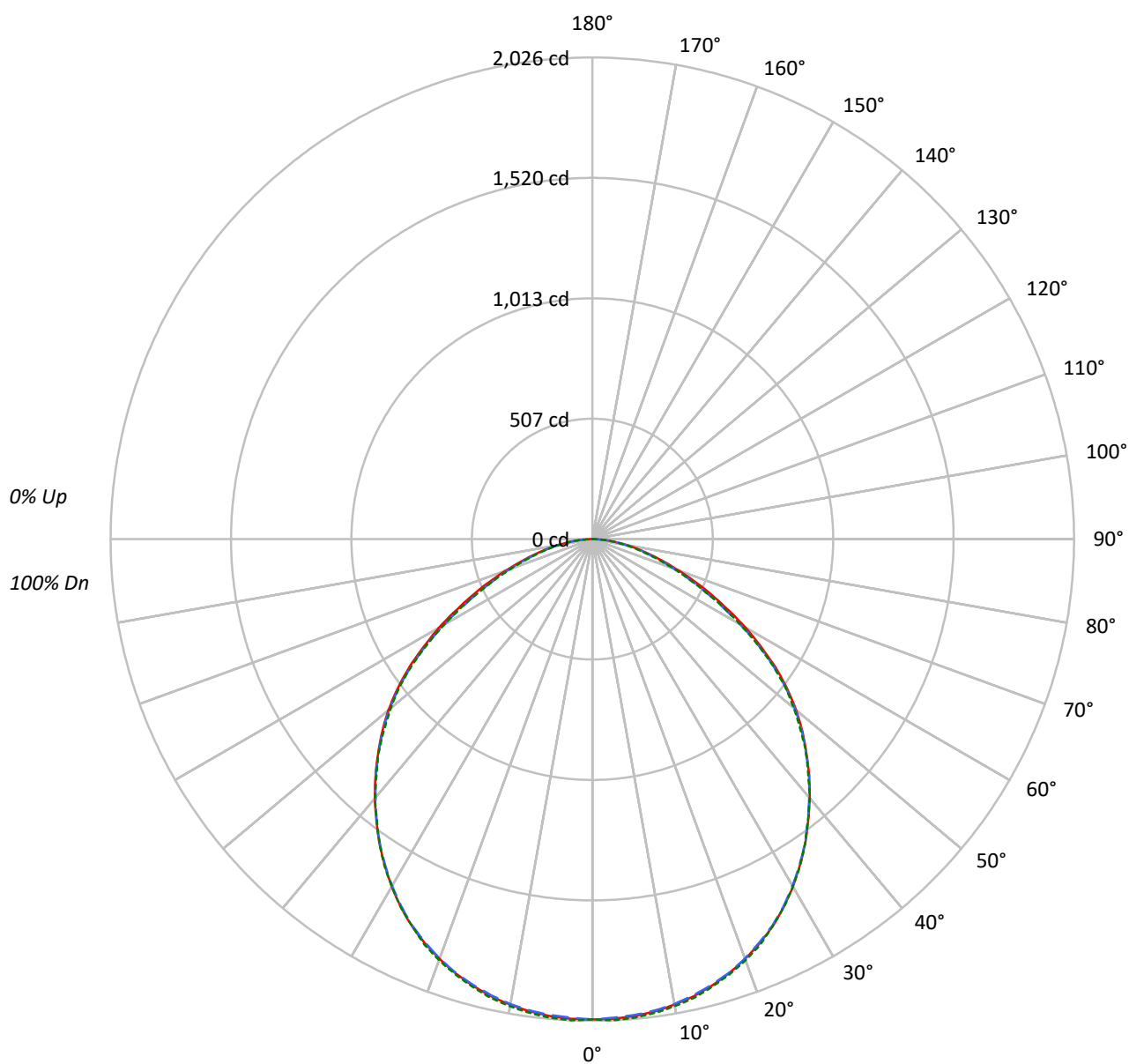
Lumens per Lamp: N/A
Luminaire Lumens: 5219.6 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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: P1050911

CATALOG NUMBER: 24PTR-60-PP3-L935-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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2718	2718	2718
5°	2721	2714	2729
10°	2717	2713	2726
15°	2708	2703	2715
20°	2690	2688	2699
25°	2666	2662	2665
30°	2621	2616	2621
35°	2564	2561	2563
40°	2498	2491	2497
45°	2423	2416	2419
50°	2342	2331	2314
55°	2205	2179	2172
60°	2001	1934	1937
65°	1758	1670	1667
70°	1520	1451	1434
75°	1315	1266	1238
80°	1165	1148	1096
85°	962	996	937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2432 cd/sqm

TEST NUMBER: P1050911

CATALOG NUMBER: 24PTR-60-PP3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	3.7
10°-20°	548.8	10.5
20°-30°	826.3	15.8
30°-40°	975.2	18.7
40°-50°	980.8	18.8
50°-60°	828.0	15.9
60°-70°	531.8	10.2
70°-80°	264.5	5.1
80°-90°	72.5	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°	1566.7	30.0
0°-40°	2542.0	48.7
0°-60°	4350.8	83.4
0°-90°	5219.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5219.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2014	2015	2010	2019	2021	191
15°	1944	1944	1940	1949	1949	548
25°	1796	1796	1793	1796	1795	826
35°	1561	1562	1559	1560	1560	976
45°	1274	1278	1270	1272	1272	983
55°	940	939	929	925	926	836
65°	552	544	524	519	524	550
75°	253	252	244	241	238	274
85°	62	64	64	61	61	73
90°	0	0	0	0	0	

TEST NUMBER: P1050911

CATALOG NUMBER: 24PTR-60-PP3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.1	2020.1	2020.1	2020.1	2020.1
2.5°	2019.3	2020.1	2014.8	2024.4	2026.0
5°	2014.3	2014.8	2009.8	2019.3	2020.7
7.5°	2003.9	2004.7	2000.2	2009.0	2010.6
10°	1988.4	1990.8	1985.5	1993.8	1995.1
12.5°	1969.5	1970.3	1965.0	1974.6	1976.2
15°	1943.9	1944.5	1940.2	1949.0	1949.0
17.5°	1914.4	1915.2	1912.2	1919.7	1918.9
20°	1878.7	1880.8	1877.1	1882.1	1885.1
22.5°	1839.8	1840.6	1836.0	1842.7	1845.6
25°	1795.8	1796.3	1792.9	1796.3	1795.0
27.5°	1744.4	1745.7	1740.7	1744.4	1745.2
30°	1687.1	1690.8	1683.6	1686.6	1687.1
32.5°	1625.6	1627.7	1622.6	1623.4	1627.2
35°	1561.1	1561.9	1558.9	1560.3	1560.3
37.5°	1491.5	1494.5	1489.9	1492.1	1489.1
40°	1422.5	1419.6	1418.0	1419.6	1421.7
42.5°	1349.8	1350.6	1348.5	1346.9	1343.4
45°	1273.6	1278.1	1269.9	1271.5	1271.5
47.5°	1199.0	1199.5	1195.3	1190.7	1187.8
50°	1119.0	1119.0	1113.7	1110.3	1105.7
52.5°	1031.7	1030.3	1024.5	1020.7	1022.9
55°	940.0	939.2	929.1	925.3	926.1
57.5°	839.6	841.2	825.7	822.0	822.0
60°	743.6	736.2	718.6	713.5	719.9
62.5°	642.9	634.1	615.2	615.2	620.3
65°	552.1	544.1	524.4	519.0	523.6
67.5°	467.1	459.6	441.5	438.6	439.9
70°	386.3	379.9	368.8	362.1	364.5
72.5°	316.8	310.9	303.5	298.4	295.5
75°	252.9	251.5	243.5	241.1	238.2
77.5°	200.1	199.6	192.9	190.0	187.0
80°	150.3	149.5	148.1	143.6	141.5
82.5°	107.1	107.1	106.3	102.6	100.4
85°	62.3	64.5	64.5	60.7	60.7
87.5°	25.0	26.4	25.0	25.0	24.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)