

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: P1050885

Luminaire Tested: 24PTR-35-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050885
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-35-PP3-L850-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

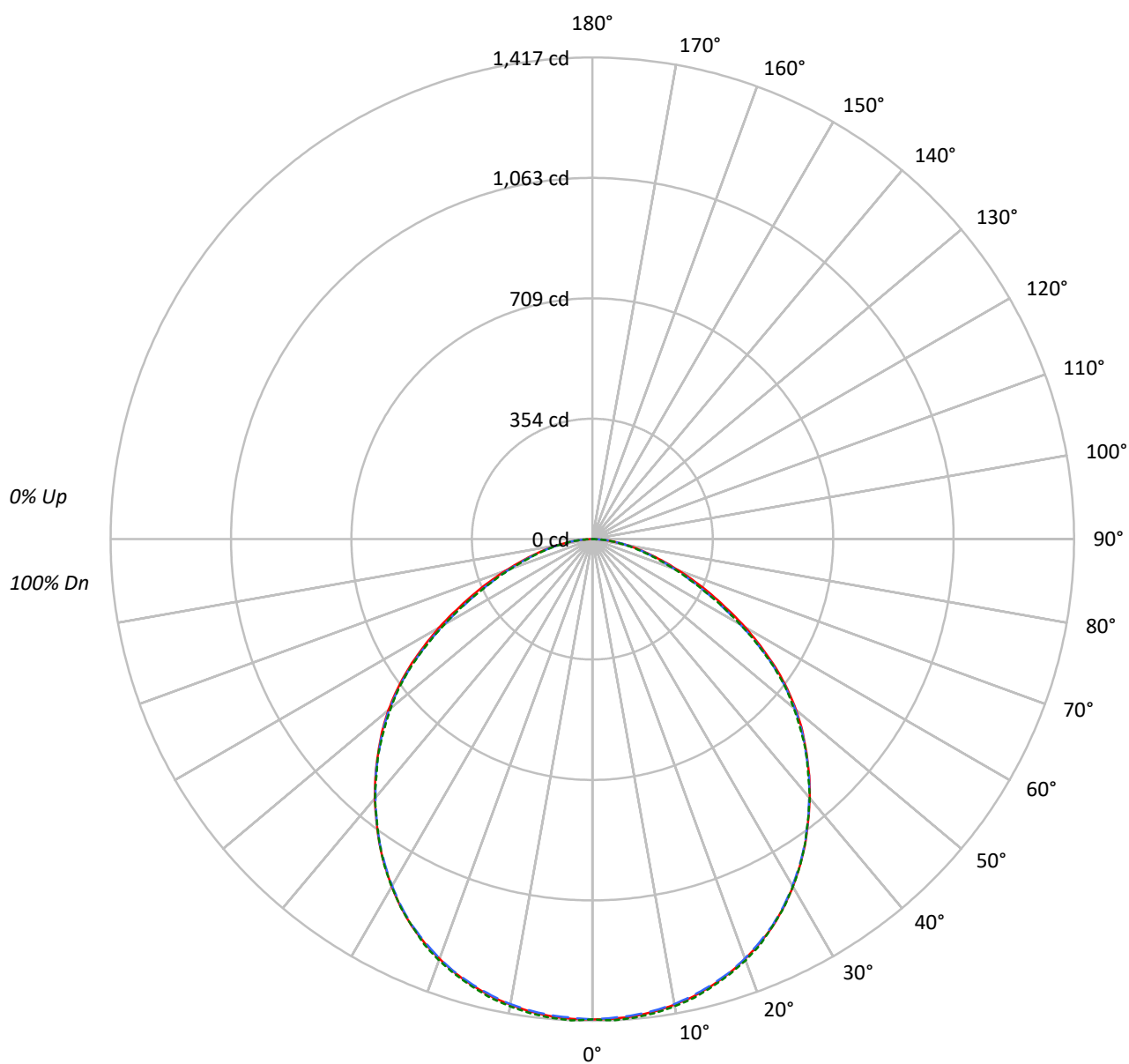
Lumens per Lamp: N/A
Luminaire Lumens: 3651.1 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P1050885

CATALOG NUMBER: 24PTR-35-PP3-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050885

CATALOG NUMBER: 24PTR-35-PP3-L850-UNV-STD-W

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°	1901	1901	1901
5°	1903	1899	1909
10°	1900	1898	1907
15°	1894	1891	1899
20°	1882	1880	1888
25°	1865	1862	1864
30°	1833	1830	1833
35°	1794	1791	1793
40°	1748	1742	1747
45°	1695	1690	1692
50°	1639	1631	1619
55°	1542	1525	1520
60°	1400	1353	1355
65°	1230	1168	1166
70°	1063	1015	1003
75°	920	885	866
80°	814	803	767
85°	673	696	656

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1701 cd/sqm

TEST NUMBER: P1050885

CATALOG NUMBER: 24PTR-35-PP3-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.7
10°-20°	383.9	10.5
20°-30°	578.0	15.8
30°-40°	682.2	18.7
40°-50°	686.1	18.8
50°-60°	579.2	15.9
60°-70°	372.0	10.2
70°-80°	185.0	5.1
80°-90°	50.7	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°	1095.9	30.0
0°-40°	1778.1	48.7
0°-60°	3043.4	83.4
0°-90°	3651.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3651.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1409	1409	1406	1412	1414	134
15°	1360	1360	1357	1363	1363	384
25°	1256	1256	1254	1256	1256	578
35°	1092	1092	1090	1091	1091	682
45°	891	894	888	889	889	688
55°	658	657	650	647	648	585
65°	386	381	367	363	366	385
75°	177	176	170	169	167	191
85°	44	45	45	42	42	51
90°	0	0	0	0	0	

TEST NUMBER: P1050885

CATALOG NUMBER: 24PTR-35-PP3-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1413.1	1413.1	1413.1	1413.1	1413.1
2.5°	1412.5	1413.1	1409.4	1416.1	1417.2
5°	1409.0	1409.4	1405.8	1412.5	1413.5
7.5°	1401.7	1402.3	1399.1	1405.3	1406.4
10°	1390.9	1392.6	1388.9	1394.6	1395.6
12.5°	1377.7	1378.2	1374.5	1381.2	1382.3
15°	1359.8	1360.2	1357.2	1363.3	1363.3
17.5°	1339.1	1339.7	1337.6	1342.8	1342.3
20°	1314.1	1315.6	1313.0	1316.5	1318.6
22.5°	1286.9	1287.5	1284.3	1289.0	1291.0
25°	1256.2	1256.5	1254.1	1256.5	1255.6
27.5°	1220.2	1221.1	1217.6	1220.2	1220.8
30°	1180.1	1182.7	1177.7	1179.8	1180.1
32.5°	1137.1	1138.6	1135.0	1135.6	1138.2
35°	1092.0	1092.5	1090.5	1091.4	1091.4
37.5°	1043.3	1045.4	1042.2	1043.7	1041.6
40°	995.1	993.0	991.9	993.0	994.5
42.5°	944.2	944.7	943.2	942.1	939.7
45°	890.9	894.0	888.3	889.4	889.4
47.5°	838.7	839.1	836.1	832.9	830.9
50°	782.8	782.8	779.0	776.6	773.5
52.5°	721.6	720.7	716.6	714.0	715.5
55°	657.5	657.0	649.9	647.3	647.8
57.5°	587.3	588.4	577.6	575.0	575.0
60°	520.2	515.0	502.7	499.1	503.6
62.5°	449.7	443.6	430.3	430.3	433.9
65°	386.2	380.6	366.8	363.1	366.2
67.5°	326.7	321.5	308.8	306.8	307.7
70°	270.2	265.8	257.9	253.3	255.0
72.5°	221.6	217.5	212.3	208.7	206.7
75°	176.9	175.9	170.3	168.7	166.6
77.5°	140.0	139.6	134.9	132.9	130.8
80°	105.1	104.6	103.6	100.5	99.0
82.5°	74.9	74.9	74.4	71.8	70.3
85°	43.6	45.1	45.1	42.5	42.5
87.5°	17.5	18.5	17.5	17.5	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)