

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: P1051039

Luminaire Tested: 24PTR-35-PW1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PW1-L850-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

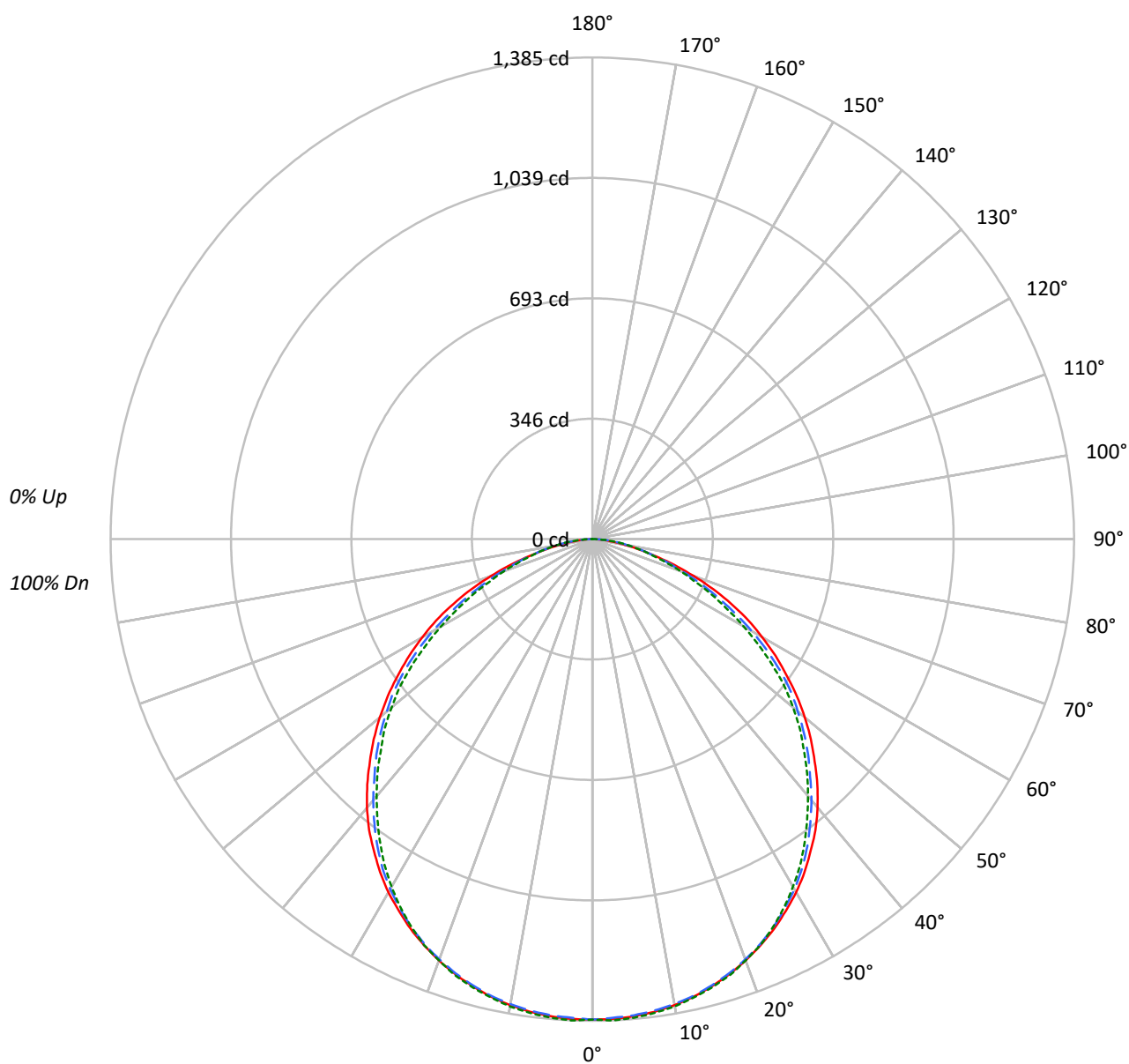
Lumens per Lamp: N/A
Luminaire Lumens: 3665.6 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1051039

CATALOG NUMBER: 24PTR-35-PW1-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1051039

CATALOG NUMBER: 24PTR-35-PW1-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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1859	1859	1859
5°	1860	1856	1866
10°	1859	1855	1864
15°	1854	1851	1858
20°	1846	1842	1846
25°	1836	1828	1827
30°	1822	1806	1793
35°	1797	1770	1748
40°	1770	1721	1694
45°	1721	1670	1636
50°	1669	1614	1577
55°	1599	1545	1484
60°	1516	1427	1352
65°	1403	1274	1211
70°	1216	1109	1067
75°	971	949	923
80°	738	824	824
85°	545	704	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1721 cd/sqm

TEST NUMBER: P1051039

CATALOG NUMBER: 24PTR-35-PW1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	3.6
10°-20°	375.7	10.2
20°-30°	567.8	15.5
30°-40°	674.2	18.4
40°-50°	679.3	18.5
50°-60°	587.2	16.0
60°-70°	401.3	10.9
70°-80°	197.9	5.4
80°-90°	51.2	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°	1074.6	29.3
0°-40°	1748.8	47.7
0°-60°	3015.3	82.3
0°-90°	3665.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3665.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1377	1378	1374	1380	1381	131
15°	1331	1332	1329	1333	1334	376
25°	1237	1236	1231	1232	1230	570
35°	1094	1091	1078	1068	1064	685
45°	904	895	878	867	860	698
55°	682	680	659	639	632	610
65°	441	425	400	383	380	435
75°	187	185	183	183	178	204
85°	35	42	46	46	46	43
90°	0	0	0	0	0	

TEST NUMBER: P1051039

CATALOG NUMBER: 24PTR-35-PW1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1381.3	1381.3	1381.3	1381.3	<i>1381.3</i>
2.5°	<i>1380.9</i>	<i>1381.3</i>	<i>1377.7</i>	<i>1383.9</i>	<i>1385.4</i>
5°	1377.2	1377.7	1374.2	1379.8	<i>1381.3</i>
7.5°	1370.7	1371.6	1367.5	1373.1	<i>1374.2</i>
10°	1360.8	1361.4	1357.8	1363.4	<i>1364.5</i>
12.5°	1347.6	1348.0	1345.0	1350.0	<i>1350.0</i>
15°	1330.7	1332.2	1328.6	1333.3	<i>1333.7</i>
17.5°	1311.7	1312.3	1308.7	1313.8	<i>1314.9</i>
20°	1289.2	1289.2	1286.2	1290.3	<i>1289.2</i>
22.5°	1264.1	1264.1	1260.6	1262.6	<i>1263.5</i>
25°	1236.6	1235.5	1231.4	1232.5	<i>1230.4</i>
27.5°	1204.8	1204.8	1197.5	1197.5	<i>1194.0</i>
30°	1172.6	1170.0	1162.4	1157.7	<i>1154.2</i>
32.5°	1135.6	1132.1	1122.4	1114.2	<i>1111.6</i>
35°	1094.3	1090.6	1077.8	1068.1	<i>1064.0</i>
37.5°	1054.3	1046.1	1029.2	1019.5	<i>1014.9</i>
40°	1007.6	997.4	980.1	966.7	<i>964.7</i>
42.5°	957.6	949.4	926.9	917.1	<i>914.6</i>
45°	904.4	894.6	877.6	867.4	<i>859.8</i>
47.5°	852.2	844.9	825.6	813.3	<i>810.7</i>
50°	797.3	791.2	771.3	758.1	<i>753.4</i>
52.5°	740.6	736.5	719.6	702.6	<i>697.1</i>
55°	681.8	679.8	658.7	639.2	<i>632.5</i>
57.5°	624.0	621.4	595.1	572.6	<i>566.5</i>
60°	563.5	555.9	530.2	509.2	<i>502.5</i>
62.5°	506.2	489.9	462.2	445.8	<i>438.2</i>
65°	440.6	424.8	400.2	382.7	<i>380.3</i>
67.5°	376.2	357.3	338.3	327.5	<i>319.3</i>
70°	309.1	296.3	281.9	272.8	<i>271.3</i>
72.5°	246.6	237.5	230.2	224.7	<i>220.0</i>
75°	186.7	185.2	182.6	182.6	<i>177.6</i>
77.5°	137.3	140.8	142.8	142.3	<i>143.4</i>
80°	95.2	102.3	106.4	106.9	<i>106.4</i>
82.5°	60.4	68.6	75.3	76.3	<i>77.4</i>
85°	35.3	41.5	45.6	46.5	<i>45.6</i>
87.5°	15.8	19.9	21.0	21.9	<i>21.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)