

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: P1051017

Luminaire Tested: 24PTR-35-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051017
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-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

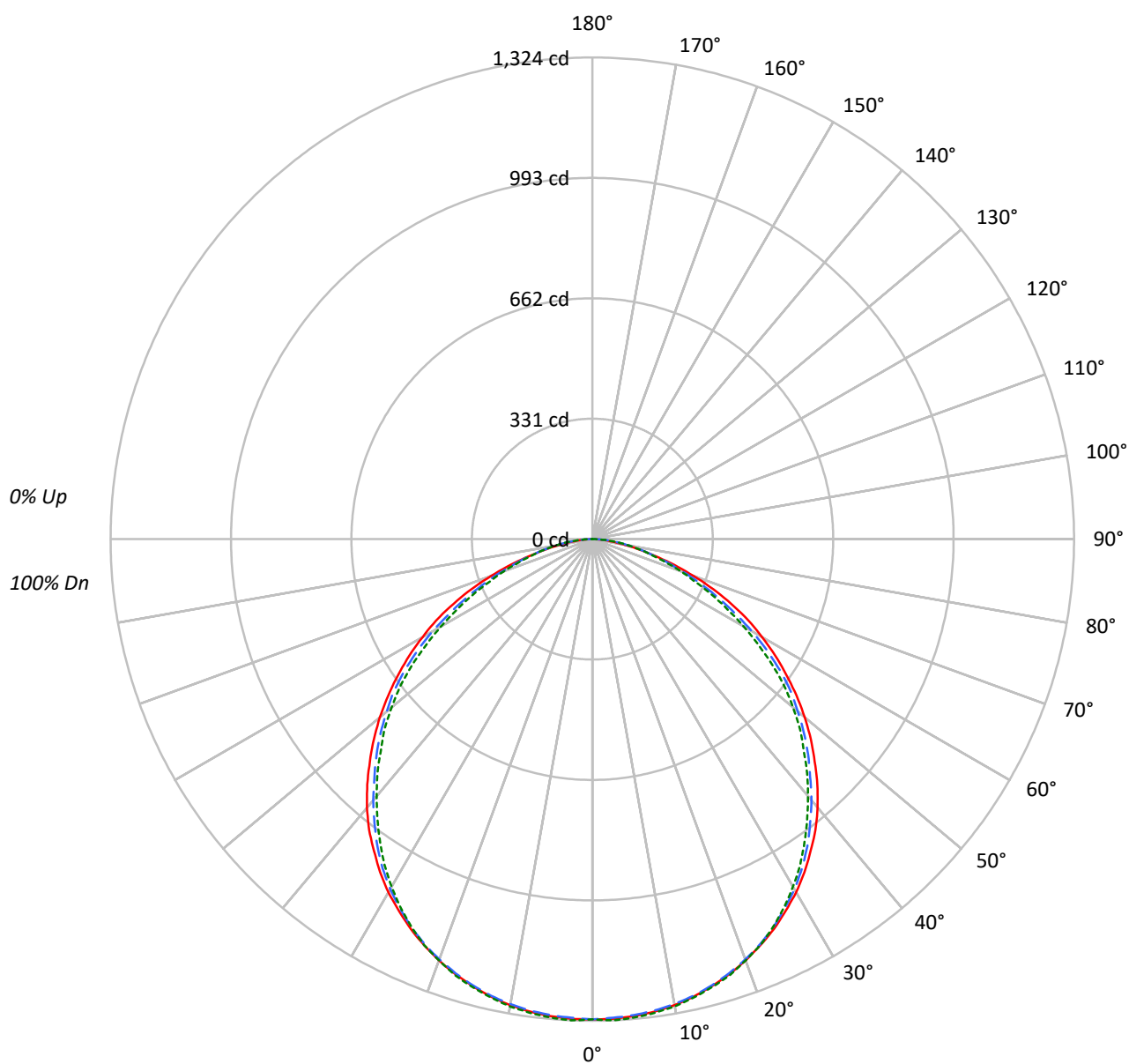
Lumens per Lamp: N/A
Luminaire Lumens: 3503.6 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1051017

CATALOG NUMBER: 24PTR-35-PW1-L835-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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1776	1776	1776
5°	1778	1774	1783
10°	1777	1773	1782
15°	1772	1769	1776
20°	1764	1760	1764
25°	1755	1747	1746
30°	1741	1726	1714
35°	1718	1692	1670
40°	1692	1645	1619
45°	1645	1596	1564
50°	1595	1543	1507
55°	1529	1477	1418
60°	1449	1364	1292
65°	1341	1218	1157
70°	1162	1060	1020
75°	928	908	883
80°	705	788	788
85°	522	673	673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1645 cd/sqm

TEST NUMBER: P1051017

CATALOG NUMBER: 24PTR-35-PW1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	3.6
10°-20°	359.1	10.2
20°-30°	542.7	15.5
30°-40°	644.4	18.4
40°-50°	649.3	18.5
50°-60°	561.2	16.0
60°-70°	383.6	10.9
70°-80°	189.2	5.4
80°-90°	48.9	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°	1027.1	29.3
0°-40°	1671.5	47.7
0°-60°	2882.0	82.3
0°-90°	3503.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3503.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1316	1317	1314	1319	1320	125
15°	1272	1273	1270	1274	1275	359
25°	1182	1181	1177	1178	1176	544
35°	1046	1042	1030	1021	1017	655
45°	864	855	839	829	822	667
55°	652	650	630	611	605	583
65°	421	406	382	366	364	416
75°	178	177	175	175	170	195
85°	34	40	44	44	44	41
90°	0	0	0	0	0	

TEST NUMBER: P1051017

CATALOG NUMBER: 24PTR-35-PW1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.2	1320.2	1320.2	1320.2	1320.2
2.5°	1319.9	1320.2	1316.9	1322.7	1324.1
5°	1316.3	1316.9	1313.5	1318.8	1320.2
7.5°	1310.1	1311.0	1307.1	1312.4	1313.5
10°	1300.7	1301.2	1297.8	1303.2	1304.2
12.5°	1288.1	1288.4	1285.6	1290.4	1290.4
15°	1271.9	1273.3	1269.9	1274.4	1274.7
17.5°	1253.7	1254.3	1250.9	1255.7	1256.8
20°	1232.2	1232.2	1229.4	1233.3	1232.2
22.5°	1208.2	1208.2	1204.9	1206.8	1207.7
25°	1181.9	1180.9	1177.0	1178.0	1176.1
27.5°	1151.5	1151.5	1144.6	1144.6	1141.2
30°	1120.8	1118.3	1111.0	1106.6	1103.2
32.5°	1085.4	1082.0	1072.8	1065.0	1062.5
35°	1045.9	1042.4	1030.1	1020.9	1017.0
37.5°	1007.7	999.9	983.7	974.5	970.0
40°	963.1	953.3	936.8	924.0	922.0
42.5°	915.3	907.5	886.0	876.5	874.2
45°	864.5	855.0	838.9	829.1	821.8
47.5°	814.5	807.6	789.1	777.3	774.9
50°	762.1	756.2	737.2	724.6	720.1
52.5°	707.8	703.9	687.8	671.6	666.2
55°	651.7	649.7	629.6	611.0	604.6
57.5°	596.4	593.9	568.8	547.3	541.5
60°	538.6	531.3	506.8	486.7	480.3
62.5°	483.9	468.2	441.7	426.1	418.8
65°	421.1	406.0	382.5	365.8	363.5
67.5°	359.6	341.5	323.3	313.0	305.2
70°	295.4	283.2	269.5	260.8	259.4
72.5°	235.7	227.0	220.1	214.7	210.3
75°	178.5	177.0	174.6	174.6	169.8
77.5°	131.2	134.6	136.5	136.0	137.1
80°	91.0	97.8	101.7	102.2	101.7
82.5°	57.8	65.6	72.0	72.9	73.9
85°	33.8	39.6	43.6	44.4	43.6
87.5°	15.1	19.0	20.1	21.0	20.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)