

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: P1050941

Luminaire Tested: 24PTR-40-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PR1-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

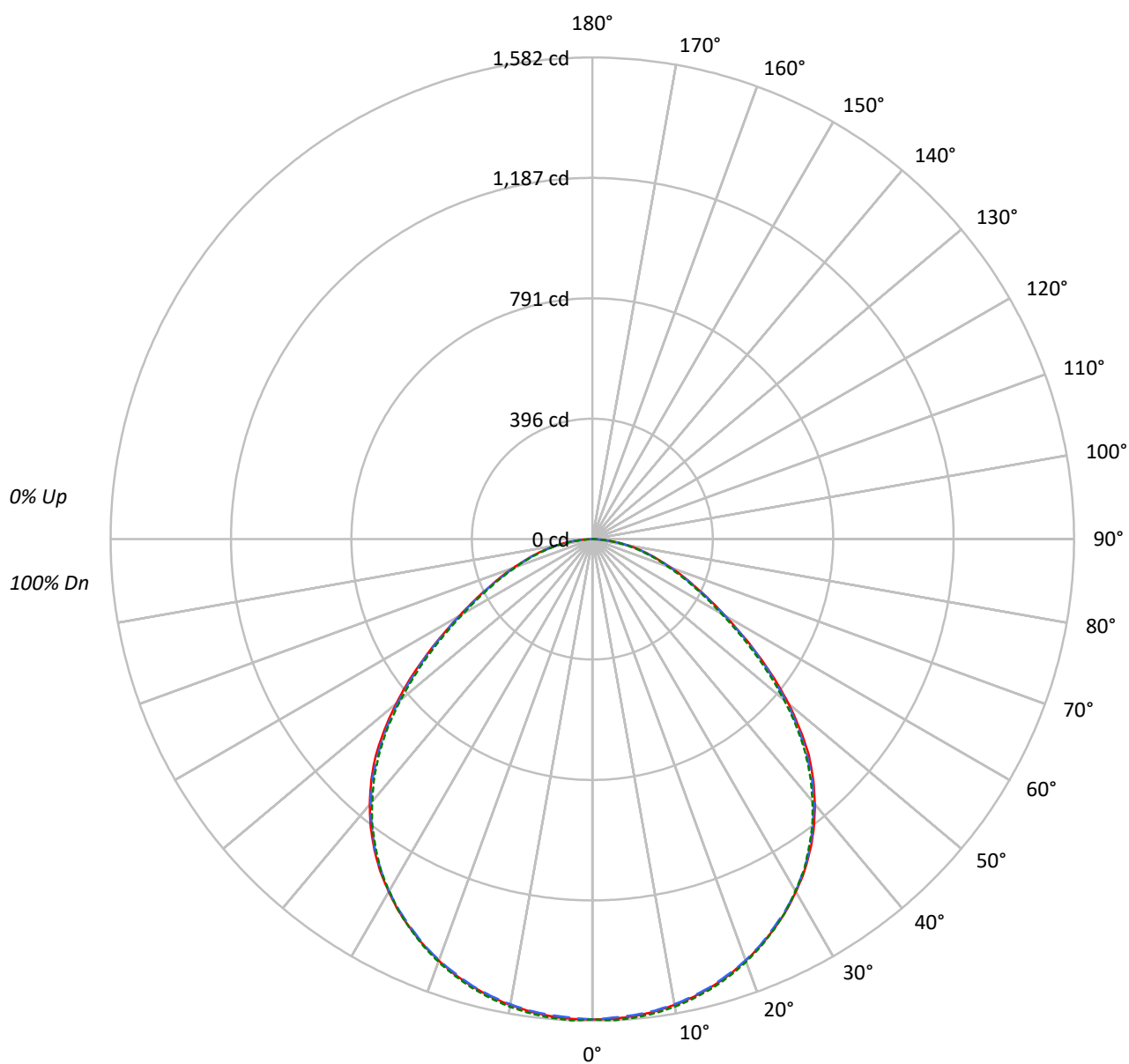
Lumens per Lamp: N/A
Luminaire Lumens: 3989.6 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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: P1050941

CATALOG NUMBER: 24PTR-40-PR1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050941

CATALOG NUMBER: 24PTR-40-PR1-L835-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2123	2123	2123
5°	2125	2120	2132
10°	2123	2119	2131
15°	2119	2116	2126
20°	2110	2107	2116
25°	2096	2091	2099
30°	2078	2075	2072
35°	2049	2044	2036
40°	1997	1989	1975
45°	1914	1892	1879
50°	1761	1741	1720
55°	1559	1552	1521
60°	1354	1350	1313
65°	1194	1187	1163
70°	1083	1068	1046
75°	1003	979	961
80°	915	903	872
85°	722	716	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1914 cd/sqm

TEST NUMBER: P1050941

CATALOG NUMBER: 24PTR-40-PR1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	3.8
10°-20°	429.5	10.8
20°-30°	650.7	16.3
30°-40°	776.8	19.5
40°-50°	763.9	19.1
50°-60°	590.4	14.8
60°-70°	372.3	9.3
70°-80°	201.4	5.0
80°-90°	55.0	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°	1229.8	30.8
0°-40°	2006.6	50.3
0°-60°	3360.9	84.2
0°-90°	3989.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3989.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1573	1574	1570	1576	1578	150
15°	1521	1522	1519	1524	1526	429
25°	1412	1413	1408	1413	1414	651
35°	1247	1248	1244	1243	1239	779
45°	1006	1002	994	987	987	770
55°	664	670	662	651	649	596
65°	375	376	373	366	365	377
75°	193	191	188	189	185	205
85°	47	48	46	47	45	56
90°	0	0	0	0	0	

TEST NUMBER: P1050941

CATALOG NUMBER: 24PTR-40-PR1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.6	1577.6	1577.6	1577.6	1577.6
2.5°	1576.9	1577.6	1573.0	1580.4	1582.1
5°	1573.0	1573.6	1569.5	1576.3	1578.2
7.5°	1565.0	1566.3	1562.3	1569.1	1570.8
10°	1553.7	1555.0	1551.1	1557.8	1559.5
12.5°	1539.8	1540.2	1536.9	1543.0	1544.7
15°	1521.1	1521.5	1518.8	1523.7	1526.0
17.5°	1499.5	1500.1	1496.2	1502.4	1503.4
20°	1473.6	1474.0	1471.8	1476.9	1477.5
22.5°	1444.6	1445.9	1442.4	1446.9	1447.5
25°	1412.0	1413.0	1408.5	1413.0	1413.6
27.5°	1377.5	1377.9	1374.0	1377.5	1376.8
30°	1337.2	1340.7	1335.5	1334.3	1333.9
32.5°	1295.5	1295.9	1291.0	1289.7	1292.0
35°	1247.4	1247.8	1244.5	1242.9	1239.4
37.5°	1194.8	1194.8	1188.5	1187.4	1186.8
40°	1137.1	1136.5	1132.6	1128.7	1124.6
42.5°	1074.2	1075.5	1067.5	1060.7	1059.6
45°	1005.8	1001.9	994.5	986.7	987.3
47.5°	925.1	926.1	916.0	909.7	908.0
50°	841.3	841.3	831.8	825.0	821.5
52.5°	753.7	754.4	745.3	736.3	734.4
55°	664.4	669.9	661.5	650.8	648.6
57.5°	580.8	585.3	577.3	566.0	565.4
60°	503.3	503.7	501.5	490.8	487.9
62.5°	437.2	434.3	433.1	427.5	424.0
65°	374.9	375.5	372.7	366.3	365.3
67.5°	324.6	324.0	318.8	314.9	312.7
70°	275.3	273.6	271.4	268.1	265.8
72.5°	231.3	231.3	229.5	228.4	224.5
75°	192.9	190.6	188.4	189.4	184.9
77.5°	156.1	153.9	152.0	149.8	148.7
80°	118.1	115.9	116.5	113.0	112.6
82.5°	82.0	82.0	80.9	78.1	78.7
85°	46.8	47.5	46.4	46.8	44.6
87.5°	17.1	17.5	18.7	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)