

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: P1050786

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PLG-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

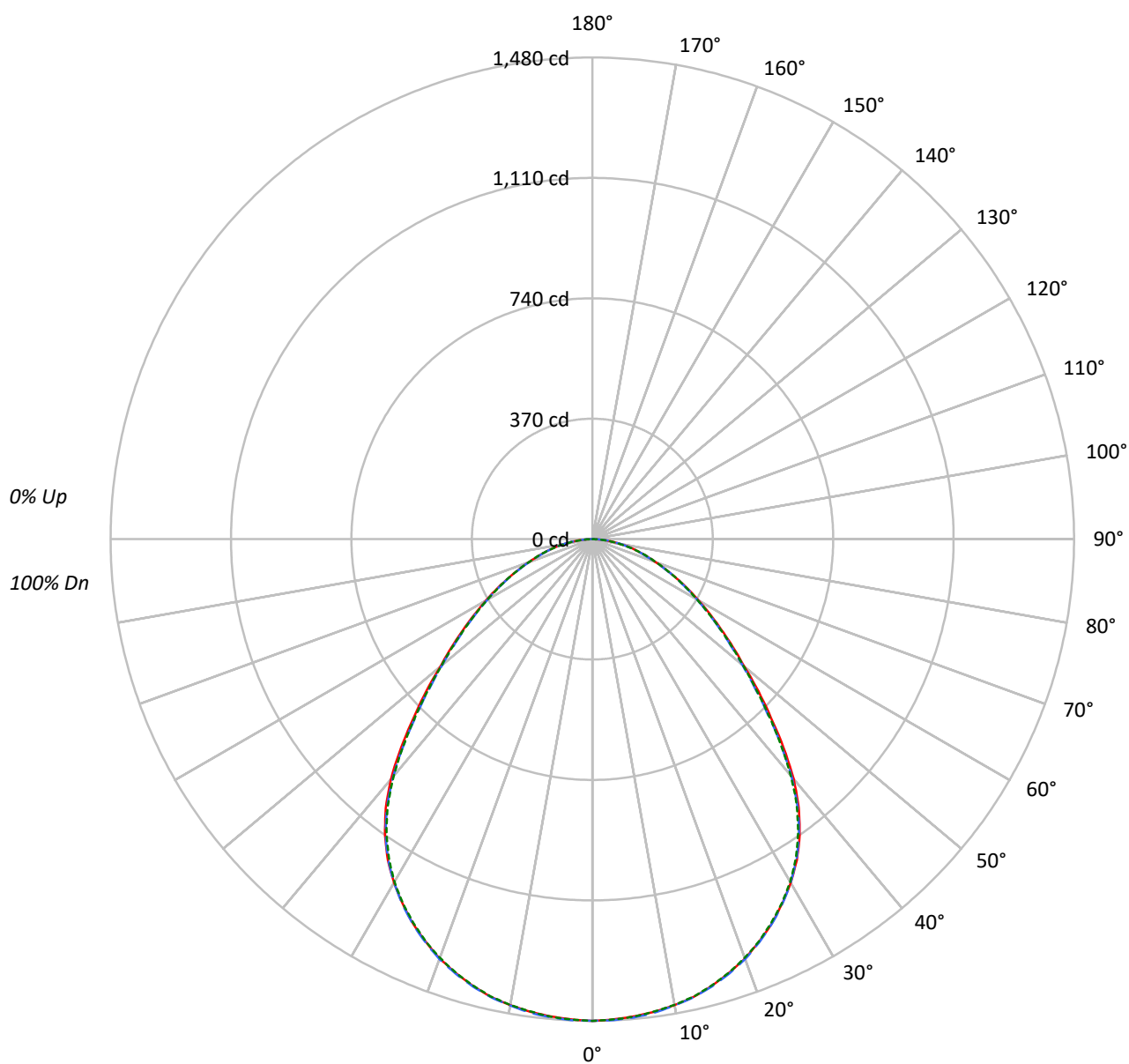
Lumens per Lamp: N/A
Luminaire Lumens: 3335.8 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1992	1992	1992
5°	1988	1992	1990
10°	1987	1988	1985
15°	1979	1982	1977
20°	1963	1966	1960
25°	1936	1937	1931
30°	1894	1894	1889
35°	1824	1819	1810
40°	1690	1672	1666
45°	1478	1453	1459
50°	1276	1260	1267
55°	1134	1117	1119
60°	1015	1001	1001
65°	910	903	906
70°	818	810	818
75°	759	748	759
80°	708	700	676
85°	601	601	536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	4.2
10°-20°	401.1	12.0
20°-30°	600.1	18.0
30°-40°	687.5	20.6
40°-50°	594.6	17.8
50°-60°	430.4	12.9
60°-70°	283.5	8.5
70°-80°	154.3	4.6
80°-90°	44.2	1.3
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°	1141.3	34.2
0°-40°	1828.8	54.8
0°-60°	2853.8	85.6
0°-90°	3335.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1480	1480	1480	1480	1480	
5°	1472	1475	1475	1475	1473	140
15°	1420	1422	1423	1425	1420	401
25°	1304	1304	1305	1306	1301	600
35°	1111	1110	1107	1106	1102	690
45°	776	774	764	763	767	601
55°	483	481	476	473	477	435
65°	286	288	284	282	285	285
75°	146	146	144	144	146	156
85°	39	39	39	40	35	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1480.4	1480.4	1480.4	1480.4	1480.4
2.5°	1477.3	1480.4	1479.4	1480.4	1477.3
5°	1472.0	1475.2	1475.2	1475.2	1473.1
7.5°	1464.7	1466.8	1467.8	1468.9	1463.6
10°	1454.1	1456.3	1455.2	1457.3	1453.1
12.5°	1440.5	1440.5	1441.5	1443.6	1439.4
15°	1420.5	1421.6	1422.6	1424.7	1419.5
17.5°	1397.4	1398.5	1399.5	1400.6	1396.4
20°	1371.1	1371.1	1373.2	1374.3	1369.0
22.5°	1338.6	1338.6	1340.7	1343.8	1337.5
25°	1303.9	1303.9	1305.0	1306.0	1300.7
27.5°	1262.9	1262.9	1264.0	1267.1	1260.8
30°	1218.8	1217.7	1218.8	1219.8	1215.6
32.5°	1169.4	1168.4	1167.3	1168.4	1163.1
35°	1110.6	1109.5	1107.4	1106.4	1102.2
37.5°	1042.3	1040.2	1036.0	1036.0	1031.8
40°	962.4	957.2	951.9	949.8	948.8
42.5°	870.0	865.8	858.4	857.4	857.4
45°	776.5	774.4	763.8	762.8	767.0
47.5°	692.4	687.1	677.7	675.6	681.9
50°	609.4	610.4	602.0	598.9	605.2
52.5°	544.3	542.2	534.8	532.7	538.0
55°	483.3	481.2	476.0	472.8	477.0
57.5°	427.6	426.6	421.3	420.3	422.4
60°	377.2	376.1	371.9	370.9	371.9
62.5°	329.9	329.9	325.7	323.6	326.8
65°	285.8	287.9	283.7	281.6	284.7
67.5°	245.9	248.0	243.8	241.7	245.9
70°	208.0	210.1	205.9	203.8	208.0
72.5°	175.5	176.5	173.4	172.3	177.6
75°	146.0	146.0	143.9	143.9	146.0
77.5°	118.7	117.7	116.6	116.6	114.5
80°	91.4	90.4	90.4	90.4	87.2
82.5°	65.1	63.0	64.1	65.1	59.9
85°	38.9	38.9	38.9	39.9	34.7
87.5°	15.8	15.8	14.7	15.8	13.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)