

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: P1050710

Luminaire Tested: 24PTR-40-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PL1-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

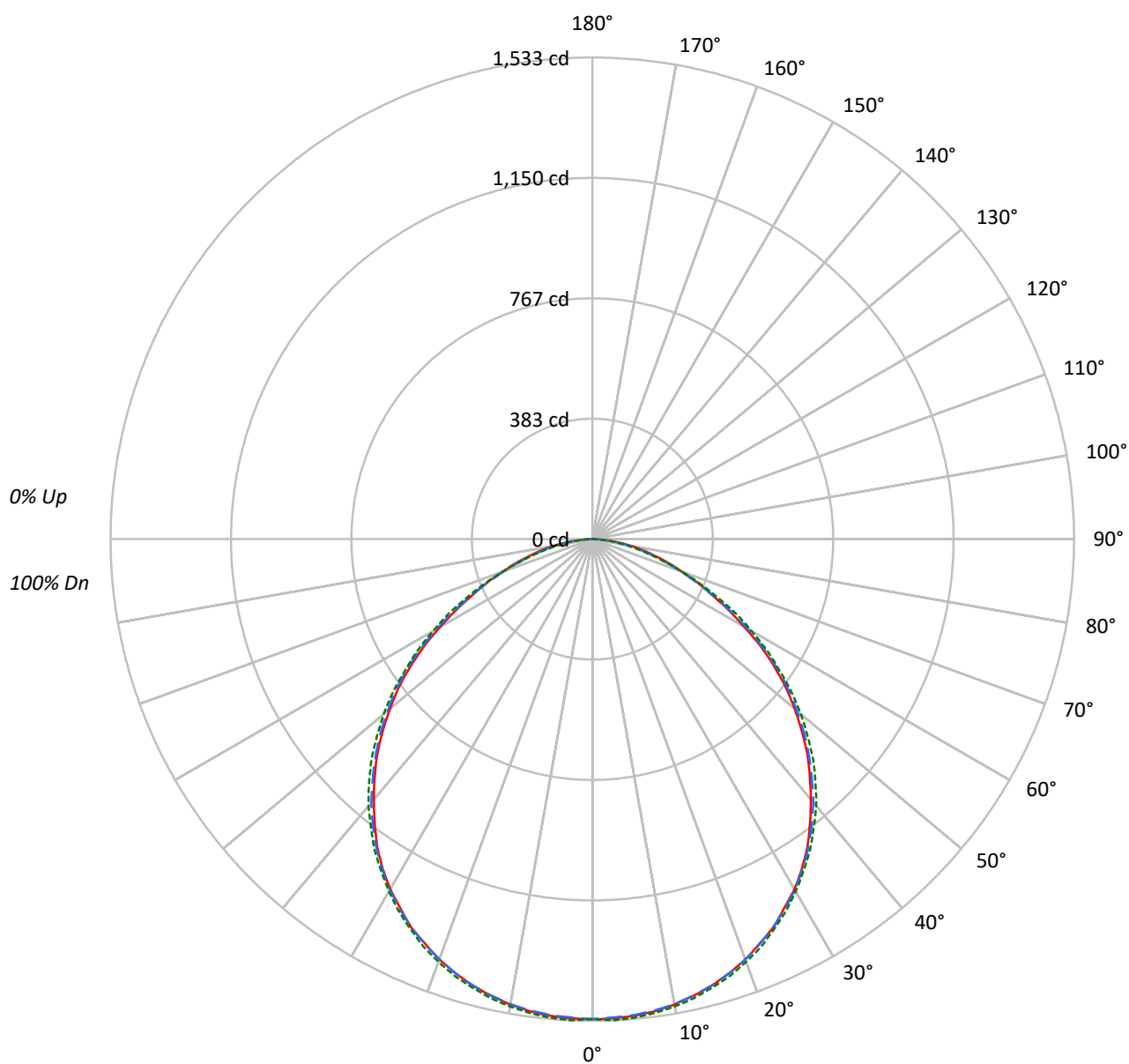
Lumens per Lamp: N/A
Luminaire Lumens: 4027.4 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2056	2056	2056
5°	2058	2054	2065
10°	2055	2053	2064
15°	2049	2048	2058
20°	2038	2038	2050
25°	2025	2022	2033
30°	1999	2002	2011
35°	1961	1968	1984
40°	1900	1922	1947
45°	1841	1856	1892
50°	1760	1779	1814
55°	1658	1684	1704
60°	1503	1535	1574
65°	1335	1350	1404
70°	1194	1169	1198
75°	1077	1015	994
80°	979	908	807
85°	829	752	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1892 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	3.6
10°-20°	415.7	10.3
20°-30°	628.8	15.6
30°-40°	749.5	18.6
40°-50°	753.6	18.7
50°-60°	639.6	15.9
60°-70°	425.9	10.6
70°-80°	212.6	5.3
80°-90°	56.9	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°	1189.4	29.5
0°-40°	1938.8	48.1
0°-60°	3332.1	82.7
0°-90°	4027.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4027.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1523	1524	1520	1527	1529	145
15°	1471	1472	1470	1476	1478	415
25°	1364	1364	1362	1368	1369	627
35°	1194	1195	1198	1207	1208	745
45°	967	969	975	988	994	744
55°	707	712	718	725	726	630
65°	419	423	424	430	441	420
75°	207	204	195	191	191	222
85°	54	53	49	46	42	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.9	1527.9	1527.9	1527.9	1527.9
2.5°	1526.7	1527.9	1523.8	1531.2	1533.0
5°	1523.4	1523.8	1520.5	1527.3	1528.9
7.5°	1516.0	1516.6	1513.1	1520.5	1521.5
10°	1504.0	1505.3	1502.4	1509.2	1510.8
12.5°	1488.8	1490.5	1487.6	1495.0	1496.2
15°	1470.7	1472.3	1470.1	1476.3	1477.5
17.5°	1448.5	1449.7	1448.5	1454.2	1457.5
20°	1423.6	1423.6	1423.6	1428.7	1431.6
22.5°	1392.5	1395.4	1394.2	1401.0	1403.9
25°	1363.7	1363.7	1361.9	1368.3	1369.3
27.5°	1323.4	1328.0	1327.5	1333.1	1334.3
30°	1286.6	1287.8	1288.5	1292.4	1294.6
32.5°	1242.0	1243.0	1244.9	1250.4	1251.0
35°	1193.8	1195.1	1198.4	1206.8	1208.0
37.5°	1137.9	1144.1	1146.9	1156.0	1157.0
40°	1081.7	1085.6	1094.3	1103.7	1108.3
42.5°	1024.6	1029.1	1034.2	1047.2	1051.3
45°	967.4	969.0	975.4	988.4	994.1
47.5°	904.0	909.2	914.7	926.0	929.5
50°	840.7	846.2	849.7	859.8	866.6
52.5°	776.7	781.8	785.7	791.9	798.7
55°	706.6	711.5	717.9	724.7	726.3
57.5°	635.2	640.7	644.8	652.0	659.5
60°	558.7	565.0	570.6	577.4	584.8
62.5°	487.5	490.2	495.9	507.2	517.9
65°	419.4	422.9	423.9	430.3	441.0
67.5°	362.8	362.8	357.7	360.0	371.9
70°	303.4	301.1	297.2	295.0	304.6
72.5°	255.3	252.4	244.0	240.0	245.2
75°	207.1	204.3	195.2	190.7	191.3
77.5°	166.4	161.9	154.5	146.7	145.0
80°	126.3	124.4	117.2	109.8	104.1
82.5°	89.5	85.6	81.5	76.9	72.4
85°	53.7	52.7	48.7	45.9	42.0
87.5°	22.0	22.0	21.0	19.7	18.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)