

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: P1050951

Luminaire Tested: 24PTR-35-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050951
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-35-PR1-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

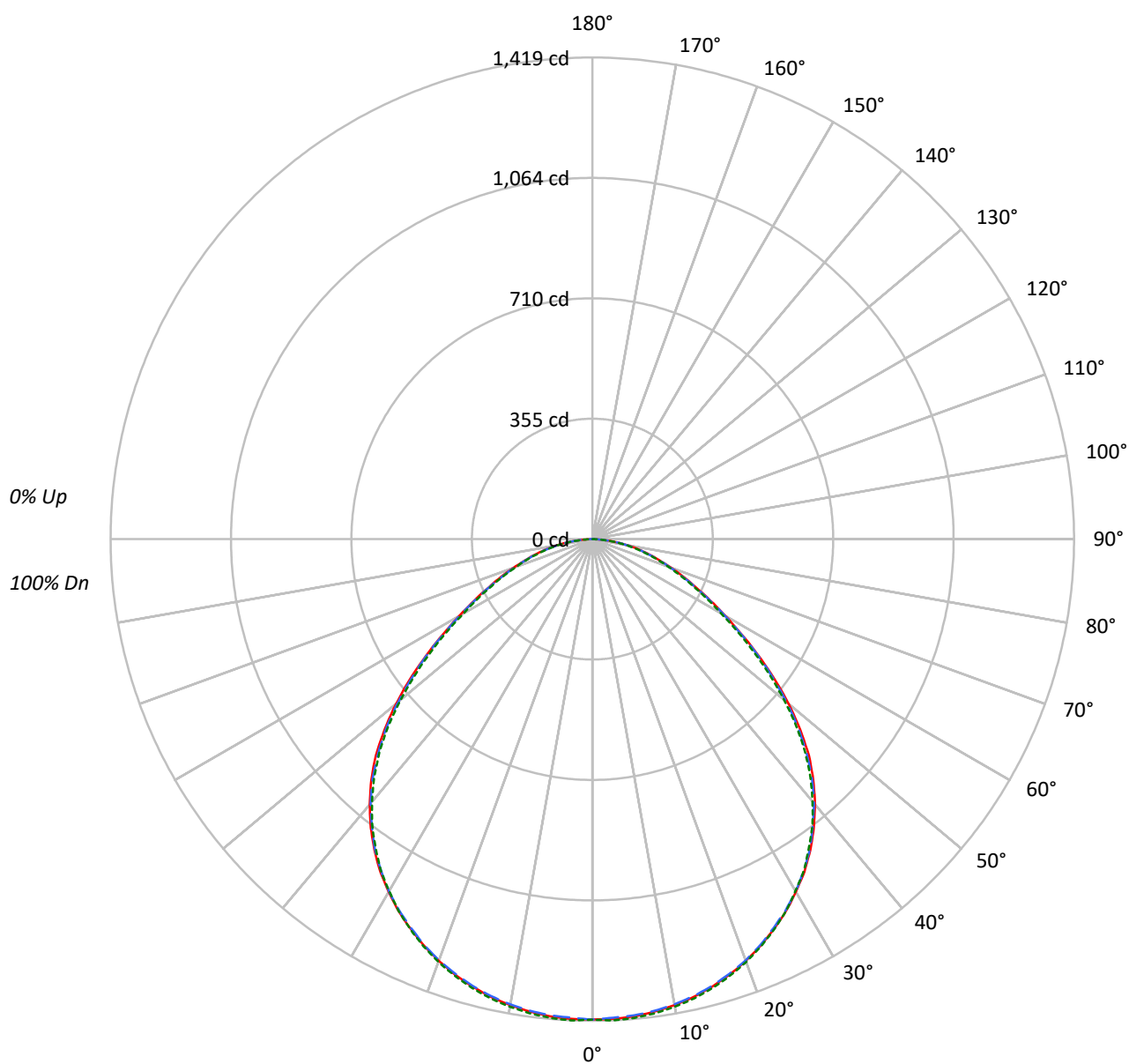
Lumens per Lamp: N/A
Luminaire Lumens: 3579.3 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1904	1904	1904
5°	1906	1902	1912
10°	1904	1901	1912
15°	1901	1898	1907
20°	1893	1891	1898
25°	1881	1876	1883
30°	1864	1862	1859
35°	1838	1834	1826
40°	1792	1785	1772
45°	1717	1698	1686
50°	1580	1562	1543
55°	1398	1392	1365
60°	1215	1211	1178
65°	1071	1064	1043
70°	972	958	938
75°	900	879	862
80°	821	810	783
85°	648	644	618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	3.8
10°-20°	385.3	10.8
20°-30°	583.8	16.3
30°-40°	696.9	19.5
40°-50°	685.3	19.1
50°-60°	529.7	14.8
60°-70°	334.0	9.3
70°-80°	180.7	5.0
80°-90°	49.4	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°	1103.4	30.8
0°-40°	1800.2	50.3
0°-60°	3015.3	84.2
0°-90°	3579.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3579.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1415	1415	1415	1415	1415	
5°	1411	1412	1408	1414	1416	134
15°	1365	1365	1363	1367	1369	385
25°	1267	1268	1264	1268	1268	584
35°	1119	1120	1116	1115	1112	699
45°	902	899	892	885	886	691
55°	596	601	594	584	582	535
65°	336	337	334	329	328	338
75°	173	171	169	170	166	184
85°	42	43	42	42	40	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1415.3	1415.3	1415.3	1415.3	1415.3
2.5°	1414.8	1415.3	1411.3	1417.9	1419.4
5°	1411.3	1411.8	1408.1	1414.2	1415.9
7.5°	1404.1	1405.2	1401.7	1407.8	1409.2
10°	1393.9	1395.0	1391.5	1397.6	1399.1
12.5°	1381.4	1381.8	1378.8	1384.3	1385.8
15°	1364.6	1365.0	1362.6	1367.0	1369.0
17.5°	1345.3	1345.8	1342.3	1347.9	1348.8
20°	1322.0	1322.4	1320.4	1325.0	1325.6
22.5°	1296.1	1297.2	1294.0	1298.1	1298.6
25°	1266.8	1267.7	1263.6	1267.7	1268.2
27.5°	1235.8	1236.2	1232.7	1235.8	1235.2
30°	1199.7	1202.8	1198.2	1197.1	1196.7
32.5°	1162.3	1162.6	1158.2	1157.1	1159.1
35°	1119.1	1119.5	1116.5	1115.1	1111.9
37.5°	1071.9	1071.9	1066.2	1065.3	1064.8
40°	1020.2	1019.6	1016.1	1012.6	1008.9
42.5°	963.8	964.9	957.7	951.6	950.7
45°	902.4	898.9	892.2	885.2	885.8
47.5°	829.9	830.9	821.8	816.1	814.6
50°	754.7	754.7	746.3	740.2	737.1
52.5°	676.2	676.8	668.7	660.6	658.9
55°	596.1	601.0	593.5	583.9	581.9
57.5°	521.0	525.1	517.9	507.8	507.2
60°	451.6	451.9	449.9	440.3	437.7
62.5°	392.2	389.6	388.5	383.5	380.4
65°	336.4	336.9	334.3	328.6	327.7
67.5°	291.2	290.7	286.0	282.5	280.5
70°	247.0	245.5	243.5	240.5	238.5
72.5°	207.5	207.5	205.9	205.0	201.4
75°	173.1	171.0	169.0	169.9	165.9
77.5°	140.1	138.0	136.4	134.4	133.4
80°	106.0	104.0	104.5	101.4	101.0
82.5°	73.5	73.5	72.6	70.0	70.6
85°	42.0	42.6	41.7	42.0	40.0
87.5°	15.3	15.7	16.8	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)