

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: P1050489

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

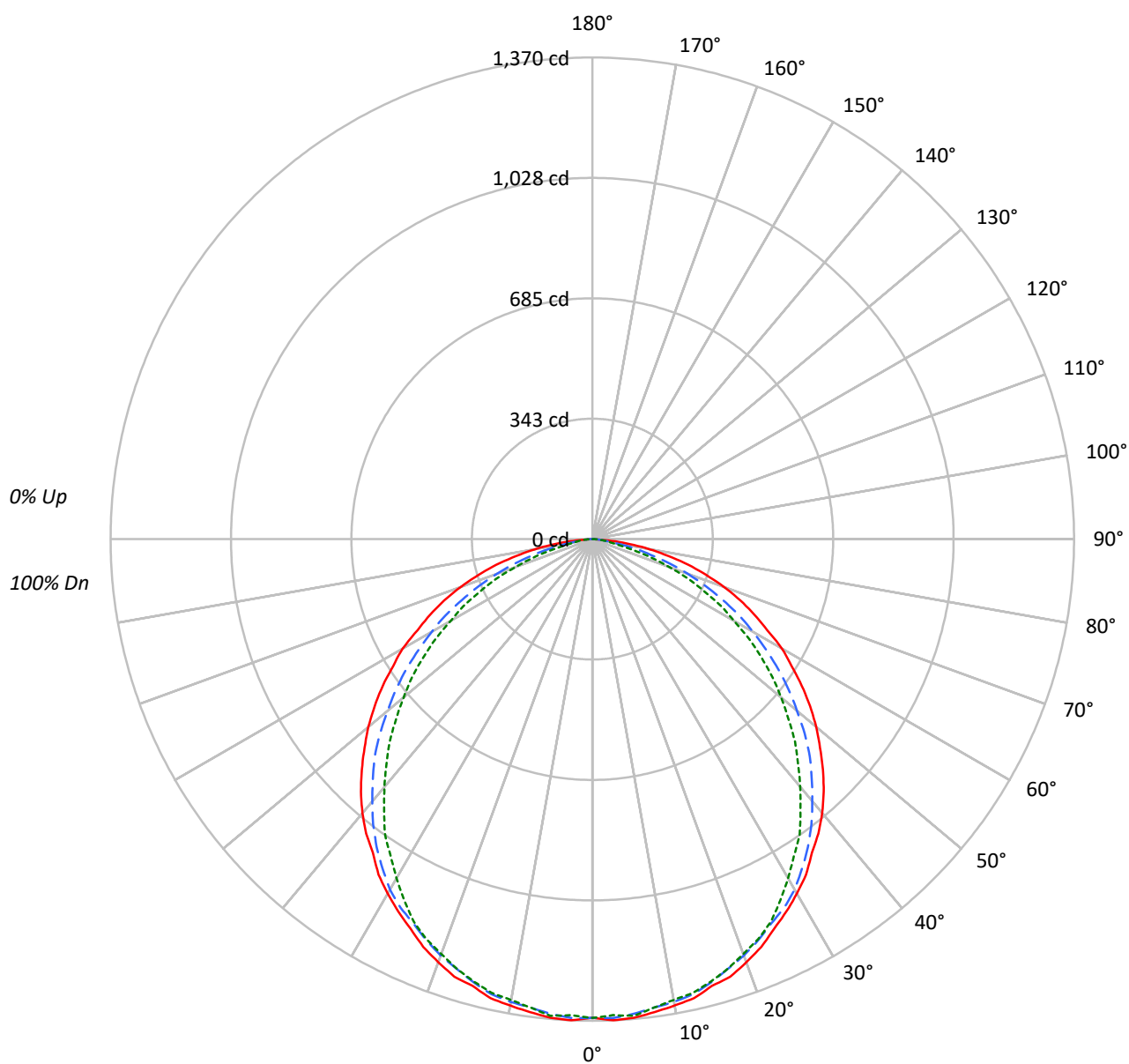
Lumens per Lamp: N/A
Luminaire Lumens: 3627.1 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1832	1832	1832
5°	1846	1830	1838
10°	1840	1826	1818
15°	1832	1818	1814
20°	1834	1805	1798
25°	1816	1789	1783
30°	1808	1788	1730
35°	1788	1756	1688
40°	1786	1709	1615
45°	1764	1665	1551
50°	1740	1591	1467
55°	1707	1516	1377
60°	1676	1419	1250
65°	1619	1301	1118
70°	1566	1133	913
75°	1471	894	628
80°	1275	540	377
85°	851	387	363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1764 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	3.6
10°-20°	369.4	10.2
20°-30°	557.9	15.4
30°-40°	663.4	18.3
40°-50°	672.8	18.5
50°-60°	584.2	16.1
60°-70°	414.7	11.4
70°-80°	198.2	5.5
80°-90°	37.6	1.0
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°	1056.3	29.1
0°-40°	1719.7	47.4
0°-60°	2976.7	82.1
0°-90°	3627.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3627.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1367	1362	1355	1358	1361	130
15°	1316	1319	1305	1303	1302	373
25°	1223	1221	1205	1210	1201	565
35°	1088	1087	1069	1032	1028	684
45°	927	919	875	829	815	715
55°	728	706	646	608	587	650
65°	508	470	409	365	351	504
75°	283	231	172	136	121	297
85°	55	29	25	24	24	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.7	1361.7	1361.7	1361.7	1361.7
2.5°	1369.8	1365.0	1363.3	1369.0	1355.2
5°	1366.6	1361.7	1355.2	1358.5	1360.9
7.5°	1356.8	1352.8	1343.9	1351.2	1343.9
10°	1347.1	1343.1	1336.6	1339.0	1330.9
12.5°	1337.4	1327.6	1326.0	1327.6	1322.0
15°	1315.5	1318.7	1304.9	1303.3	1302.5
17.5°	1304.9	1296.8	1282.2	1283.0	1281.4
20°	1280.6	1270.9	1260.3	1258.7	1255.5
22.5°	1255.5	1244.1	1234.4	1239.2	1231.9
25°	1223.0	1221.4	1205.2	1210.0	1201.1
27.5°	1194.6	1189.0	1181.7	1171.1	1158.1
30°	1163.8	1158.1	1150.8	1123.3	1113.5
32.5°	1131.4	1124.9	1110.3	1077.9	1067.3
35°	1088.4	1086.8	1068.9	1032.4	1027.6
37.5°	1056.0	1038.1	1023.5	986.2	972.4
40°	1017.0	1007.3	973.2	937.5	919.7
42.5°	974.0	962.7	923.8	885.6	866.2
45°	927.0	918.9	875.1	828.9	815.1
47.5°	878.3	871.0	819.1	774.5	756.7
50°	831.3	822.4	759.9	716.9	700.7
52.5°	780.2	765.6	704.0	661.8	646.4
55°	727.5	705.6	646.4	608.3	587.2
57.5°	671.5	651.3	585.6	545.8	528.8
60°	622.9	594.5	527.2	486.6	464.7
62.5°	560.4	536.1	472.0	424.2	413.6
65°	508.5	470.4	408.8	365.0	351.2
67.5°	455.8	411.2	348.7	304.1	296.8
70°	398.2	352.0	287.9	244.1	232.0
72.5°	339.8	294.4	232.0	185.7	178.4
75°	283.0	231.1	171.9	136.3	120.8
77.5°	221.4	174.4	120.8	83.5	73.8
80°	164.6	117.6	69.7	49.5	48.7
82.5°	107.9	68.1	37.3	38.1	36.5
85°	55.1	29.2	25.1	24.3	23.5
87.5°	10.5	11.4	12.2	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)