

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: P1050720

Luminaire Tested: 24PTR-35-PL1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050720
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-35-PL1-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

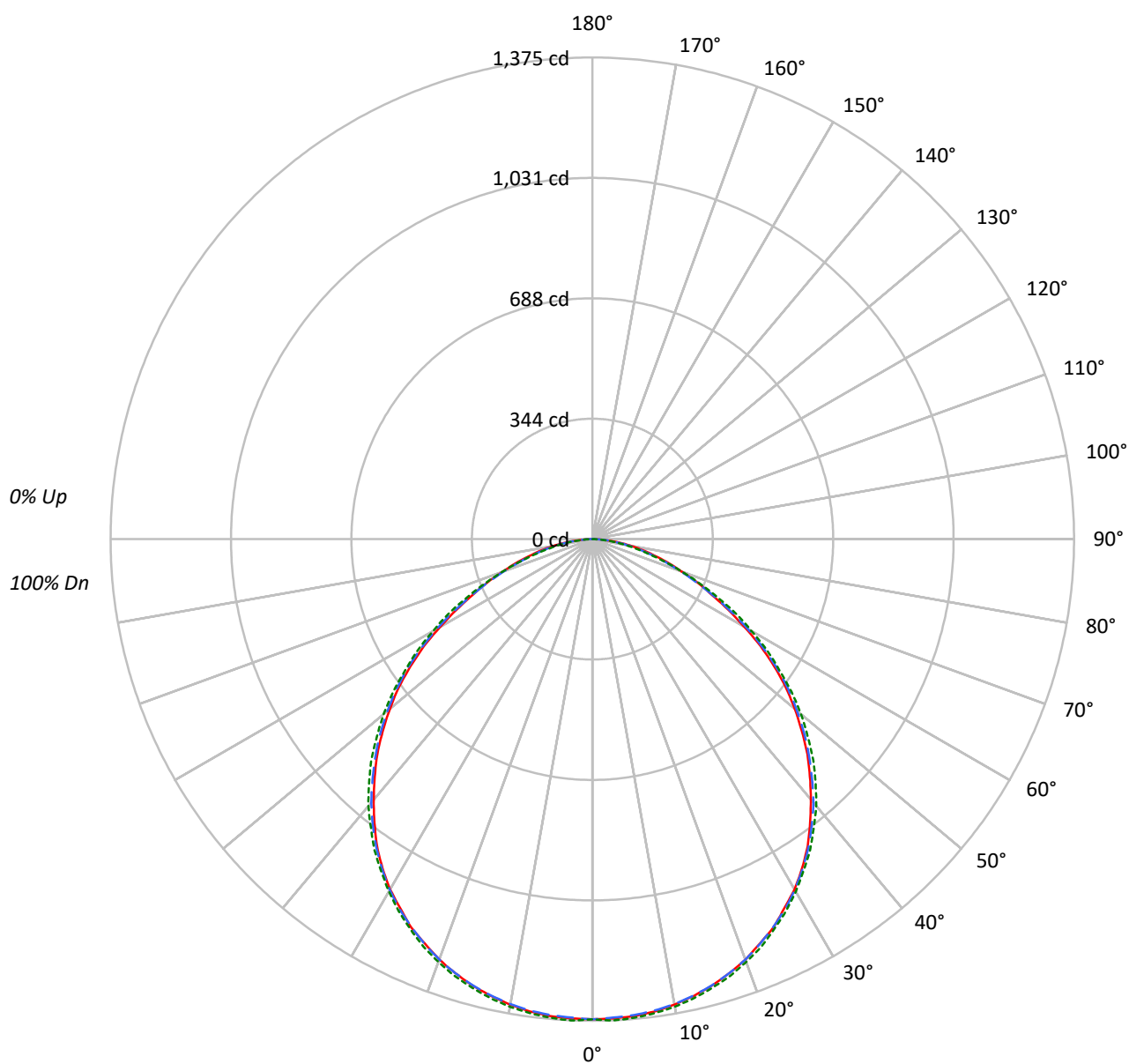
Lumens per Lamp: N/A
Luminaire Lumens: 3613.2 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1050720

CATALOG NUMBER: 24PTR-35-PL1-L840-UNV-STD-W

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1844	1844	1844
5°	1846	1842	1853
10°	1843	1842	1852
15°	1838	1837	1846
20°	1829	1829	1839
25°	1816	1814	1824
30°	1793	1796	1805
35°	1759	1766	1780
40°	1705	1724	1746
45°	1651	1665	1697
50°	1579	1596	1627
55°	1487	1511	1529
60°	1349	1378	1412
65°	1198	1211	1260
70°	1071	1049	1075
75°	966	910	892
80°	878	815	724
85°	744	675	580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1697 cd/sqm

TEST NUMBER: P1050720

CATALOG NUMBER: 24PTR-35-PL1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	3.6
10°-20°	372.9	10.3
20°-30°	564.1	15.6
30°-40°	672.4	18.6
40°-50°	676.1	18.7
50°-60°	573.8	15.9
60°-70°	382.1	10.6
70°-80°	190.8	5.3
80°-90°	51.0	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°	1067.0	29.5
0°-40°	1739.4	48.1
0°-60°	2989.4	82.7
0°-90°	3613.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3613.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1367	1367	1364	1370	1372	130
15°	1320	1321	1319	1324	1326	372
25°	1224	1224	1222	1228	1228	563
35°	1071	1072	1075	1083	1084	668
45°	868	869	875	887	892	668
55°	634	638	644	650	652	565
65°	376	379	380	386	396	377
75°	186	183	175	171	172	200
85°	48	47	44	41	38	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1370.8	1370.8	1370.8	1370.8	1370.8
2.5°	1369.6	1370.8	1367.1	1373.7	1375.4
5°	1366.7	1367.1	1364.1	1370.2	1371.7
7.5°	1360.1	1360.6	1357.5	1364.1	1365.0
10°	1349.3	1350.5	1347.9	1354.0	1355.4
12.5°	1335.7	1337.2	1334.6	1341.2	1342.3
15°	1319.5	1320.9	1318.9	1324.4	1325.5
17.5°	1299.5	1300.6	1299.5	1304.7	1307.6
20°	1277.2	1277.2	1277.2	1281.8	1284.4
22.5°	1249.3	1251.9	1250.8	1256.9	1259.5
25°	1223.5	1223.5	1221.8	1227.6	1228.5
27.5°	1187.3	1191.4	1191.0	1196.0	1197.1
30°	1154.3	1155.4	1156.0	1159.5	1161.5
32.5°	1114.2	1115.2	1116.8	1121.8	1122.4
35°	1071.1	1072.2	1075.1	1082.7	1083.8
37.5°	1020.9	1026.4	1029.0	1037.1	1038.0
40°	970.5	974.0	981.7	990.2	994.3
42.5°	919.2	923.2	927.9	939.5	943.2
45°	867.9	869.4	875.1	886.7	891.9
47.5°	811.0	815.7	820.6	830.8	833.9
50°	754.2	759.2	762.3	771.4	777.5
52.5°	696.8	701.4	704.9	710.5	716.6
55°	633.9	638.3	644.0	650.1	651.6
57.5°	569.9	574.8	578.5	585.0	591.6
60°	501.2	506.9	511.9	518.0	524.6
62.5°	437.4	439.8	444.9	455.1	464.7
65°	376.3	379.4	380.3	386.1	395.7
67.5°	325.5	325.5	320.9	322.9	333.6
70°	272.2	270.2	266.7	264.6	273.3
72.5°	229.0	226.4	218.9	215.4	220.0
75°	185.8	183.2	175.1	171.1	171.6
77.5°	149.3	145.2	138.6	131.6	130.1
80°	113.3	111.6	105.2	98.5	93.4
82.5°	80.3	76.8	73.1	69.0	65.0
85°	48.2	47.2	43.7	41.2	37.6
87.5°	19.7	19.7	18.8	17.7	16.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)