

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: P1050797

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050797
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

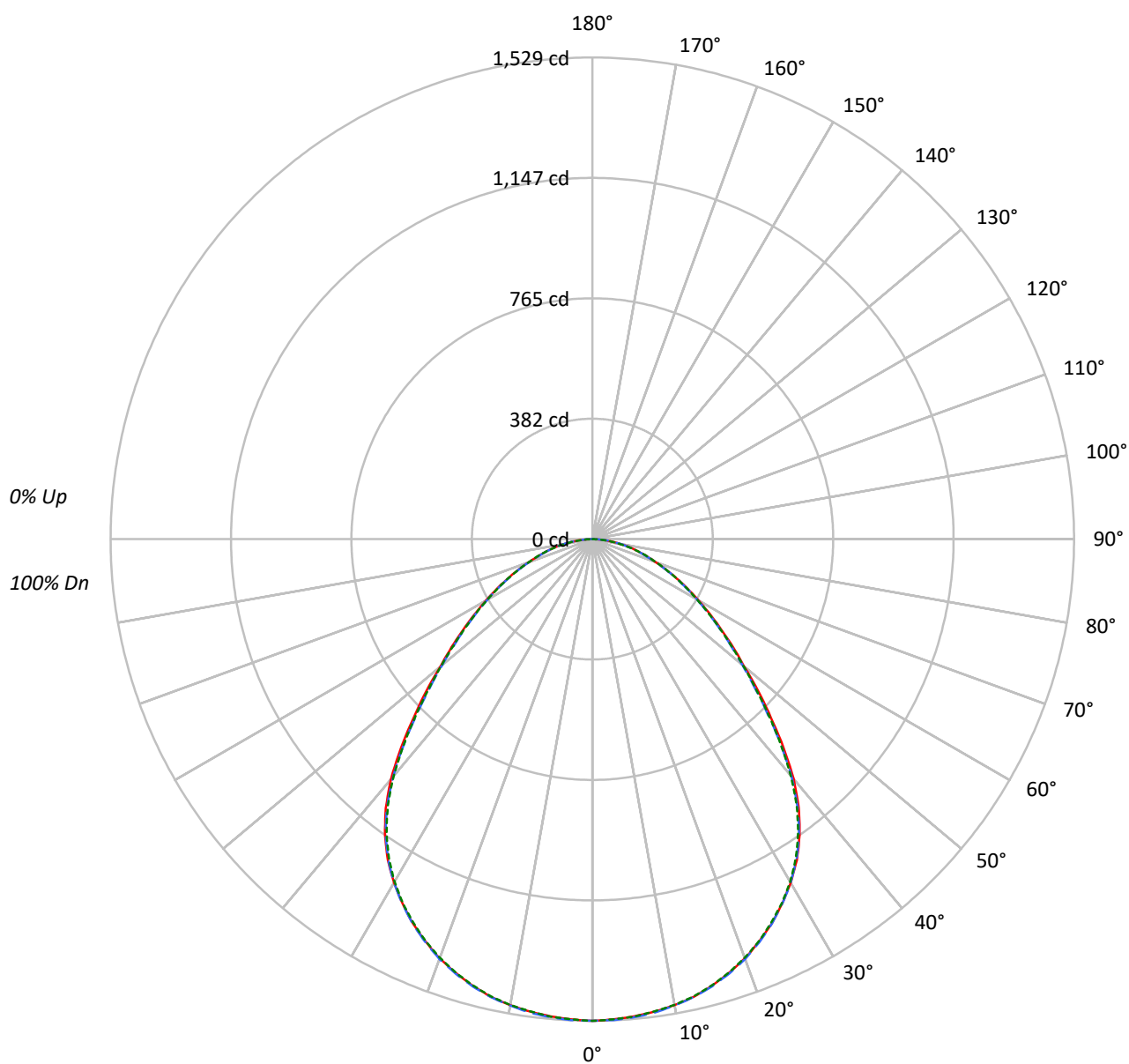
Lumens per Lamp: N/A
Luminaire Lumens: 3445.8 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050797

CATALOG NUMBER: 24PTR-35-PLG-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	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°	2058	2058	2058
5°	2054	2058	2055
10°	2052	2054	2051
15°	2044	2047	2042
20°	2028	2031	2025
25°	2000	2001	1995
30°	1956	1956	1951
35°	1884	1879	1870
40°	1746	1727	1721
45°	1526	1501	1508
50°	1318	1302	1308
55°	1171	1153	1156
60°	1048	1034	1034
65°	940	933	936
70°	845	837	845
75°	784	773	784
80°	731	723	698
85°	621	621	553

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1526 cd/sqm

TEST NUMBER: P1050797

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	4.2
10°-20°	414.3	12.0
20°-30°	619.9	18.0
30°-40°	710.2	20.6
40°-50°	614.2	17.8
50°-60°	444.5	12.9
60°-70°	292.8	8.5
70°-80°	159.4	4.6
80°-90°	45.7	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°	1178.9	34.2
0°-40°	1889.1	54.8
0°-60°	2947.9	85.6
0°-90°	3445.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3445.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1520	1524	1524	1524	1522	145
15°	1467	1468	1470	1472	1466	414
25°	1347	1347	1348	1349	1344	619
35°	1147	1146	1144	1143	1138	713
45°	802	800	789	788	792	621
55°	499	497	492	488	493	449
65°	295	297	293	291	294	295
75°	151	151	149	149	151	161
85°	40	40	40	41	36	47
90°	0	0	0	0	0	

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1529.2	1529.2	1529.2	1529.2	1529.2
2.5°	1526.0	1529.2	1528.1	1529.2	1526.0
5°	1520.5	1523.8	1523.8	1523.8	1521.6
7.5°	1512.9	1515.1	1516.2	1517.3	1511.9
10°	1502.1	1504.3	1503.2	1505.3	1501.0
12.5°	1488.0	1488.0	1489.1	1491.2	1486.9
15°	1467.4	1468.4	1469.5	1471.7	1466.3
17.5°	1443.5	1444.6	1445.7	1446.7	1442.4
20°	1416.3	1416.3	1418.5	1419.6	1414.2
22.5°	1382.7	1382.7	1384.9	1388.1	1381.6
25°	1346.9	1346.9	1348.0	1349.1	1343.6
27.5°	1304.6	1304.6	1305.6	1308.9	1302.4
30°	1259.0	1257.9	1259.0	1260.1	1255.7
32.5°	1208.0	1206.9	1205.8	1206.9	1201.5
35°	1147.2	1146.1	1143.9	1142.8	1138.5
37.5°	1076.6	1074.5	1070.1	1070.1	1065.8
40°	994.2	988.7	983.3	981.1	980.0
42.5°	898.6	894.3	886.7	885.6	885.6
45°	802.1	799.9	789.0	787.9	792.3
47.5°	715.2	709.8	700.0	697.9	704.4
50°	629.5	630.6	621.9	618.6	625.1
52.5°	562.2	560.0	552.4	550.3	555.7
55°	499.2	497.1	491.7	488.4	492.7
57.5°	441.7	440.6	435.2	434.1	436.3
60°	389.6	388.5	384.2	383.1	384.2
62.5°	340.8	340.8	336.5	334.3	337.5
65°	295.2	297.4	293.0	290.9	294.1
67.5°	254.0	256.1	251.8	249.6	254.0
70°	214.9	217.1	212.7	210.6	214.9
72.5°	181.2	182.3	179.1	178.0	183.4
75°	150.9	150.9	148.7	148.7	150.9
77.5°	122.6	121.6	120.5	120.5	118.3
80°	94.4	93.3	93.3	93.3	90.1
82.5°	67.3	65.1	66.2	67.3	61.9
85°	40.2	40.2	40.2	41.2	35.8
87.5°	16.3	16.3	15.2	16.3	14.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)