

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: P1050730

Luminaire Tested: 24PTR-30-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050730
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-30-PL1-L850-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

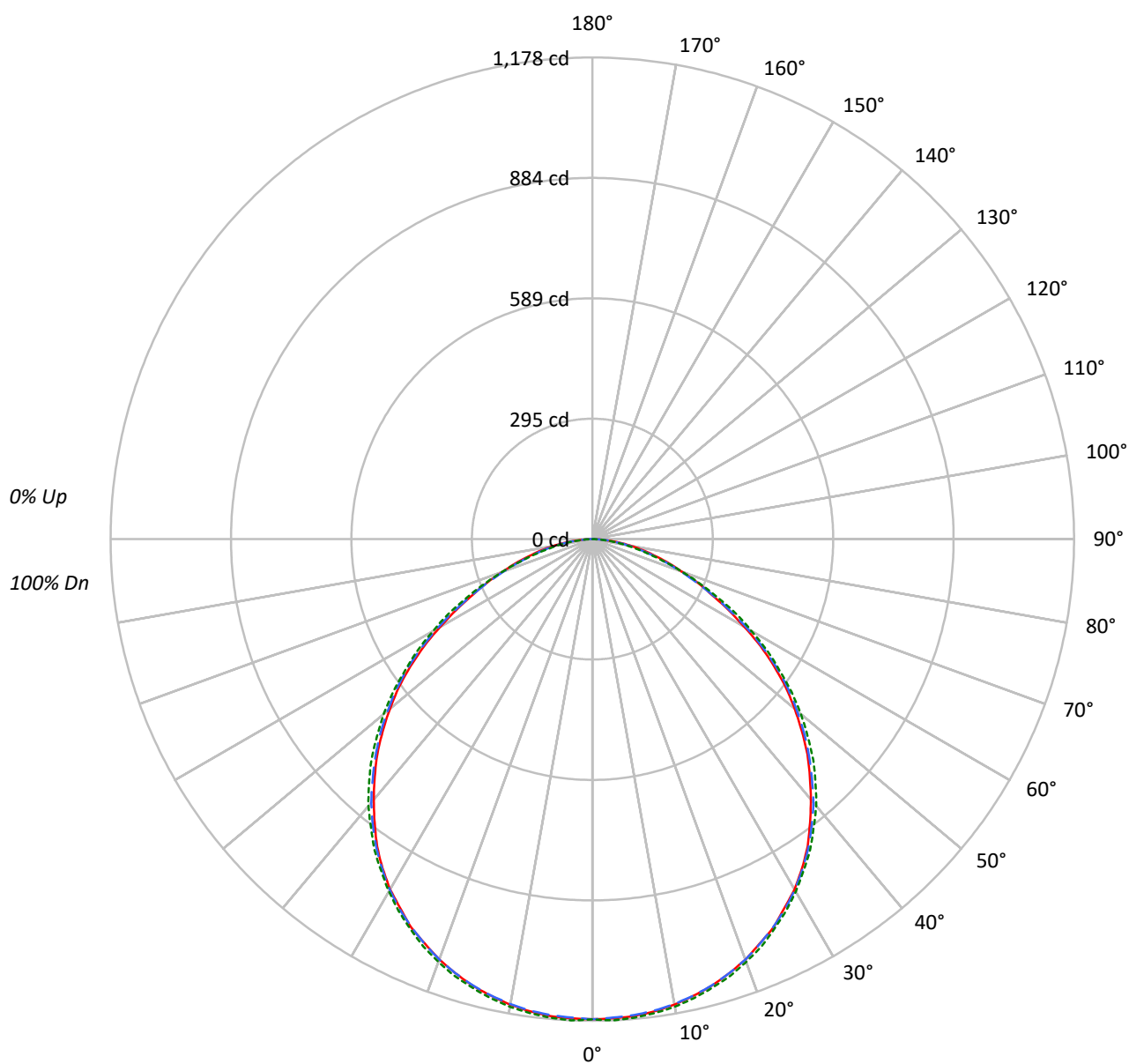
Lumens per Lamp: N/A
Luminaire Lumens: 3095.2 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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: P1050730

CATALOG NUMBER: 24PTR-30-PL1-L850-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	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°	1580	1580	1580
5°	1581	1578	1587
10°	1579	1577	1586
15°	1574	1574	1582
20°	1567	1567	1575
25°	1556	1554	1562
30°	1536	1538	1546
35°	1507	1513	1525
40°	1460	1477	1496
45°	1415	1426	1454
50°	1352	1367	1394
55°	1274	1294	1309
60°	1156	1180	1209
65°	1026	1037	1079
70°	917	899	921
75°	828	780	764
80°	752	698	620
85°	638	579	497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1454 cd/sqm

TEST NUMBER: P1050730

CATALOG NUMBER: 24PTR-30-PL1-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	3.6
10°-20°	319.5	10.3
20°-30°	483.2	15.6
30°-40°	576.0	18.6
40°-50°	579.2	18.7
50°-60°	491.6	15.9
60°-70°	327.3	10.6
70°-80°	163.4	5.3
80°-90°	43.7	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°	914.1	29.5
0°-40°	1490.1	48.1
0°-60°	2560.8	82.7
0°-90°	3095.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3095.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1174	1174	1174	1174	1174	
5°	1171	1171	1169	1174	1175	111
15°	1130	1132	1130	1135	1136	319
25°	1048	1048	1047	1052	1052	482
35°	918	918	921	928	928	572
45°	744	745	750	760	764	572
55°	543	547	552	557	558	484
65°	322	325	326	331	339	323
75°	159	157	150	146	147	171
85°	41	40	38	35	32	48
90°	0	0	0	0	0	

TEST NUMBER: P1050730

CATALOG NUMBER: 24PTR-30-PL1-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1174.2	1174.2	1174.2	1174.2	1174.2
2.5°	1173.3	1174.2	1171.1	1176.8	1178.2
5°	1170.8	1171.1	1168.6	1173.8	1175.0
7.5°	1165.1	1165.6	1162.9	1168.6	1169.3
10°	1155.9	1156.9	1154.6	1159.9	1161.1
12.5°	1144.2	1145.5	1143.3	1149.0	1149.9
15°	1130.3	1131.6	1129.8	1134.6	1135.5
17.5°	1113.2	1114.2	1113.2	1117.7	1120.2
20°	1094.1	1094.1	1094.1	1098.1	1100.3
22.5°	1070.2	1072.4	1071.5	1076.7	1078.9
25°	1048.1	1048.1	1046.7	1051.6	1052.4
27.5°	1017.1	1020.6	1020.3	1024.5	1025.5
30°	988.8	989.8	990.2	993.2	995.0
32.5°	954.5	955.3	956.7	961.0	961.5
35°	917.5	918.5	921.0	927.5	928.4
37.5°	874.5	879.3	881.5	888.4	889.2
40°	831.4	834.4	841.0	848.3	851.8
42.5°	787.4	790.9	794.8	804.8	808.0
45°	743.5	744.7	749.6	759.6	764.0
47.5°	694.8	698.7	703.0	711.7	714.4
50°	646.1	650.4	653.0	660.8	666.0
52.5°	596.9	600.9	603.9	608.6	613.8
55°	543.0	546.8	551.7	556.9	558.2
57.5°	488.2	492.4	495.6	501.1	506.8
60°	429.4	434.3	438.5	443.7	449.4
62.5°	374.7	376.7	381.1	389.8	398.1
65°	322.3	325.0	325.8	330.7	338.9
67.5°	278.9	278.9	274.9	276.6	285.8
70°	233.2	231.4	228.4	226.7	234.1
72.5°	196.2	194.0	187.5	184.5	188.4
75°	159.2	157.0	150.0	146.5	147.0
77.5°	127.9	124.4	118.7	112.7	111.4
80°	97.1	95.6	90.1	84.4	80.0
82.5°	68.8	65.8	62.6	59.1	55.6
85°	41.3	40.5	37.5	35.3	32.2
87.5°	16.9	16.9	16.1	15.2	14.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)