

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: P1192888

Luminaire Tested: 24PT-40-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-40-PB1-L950
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

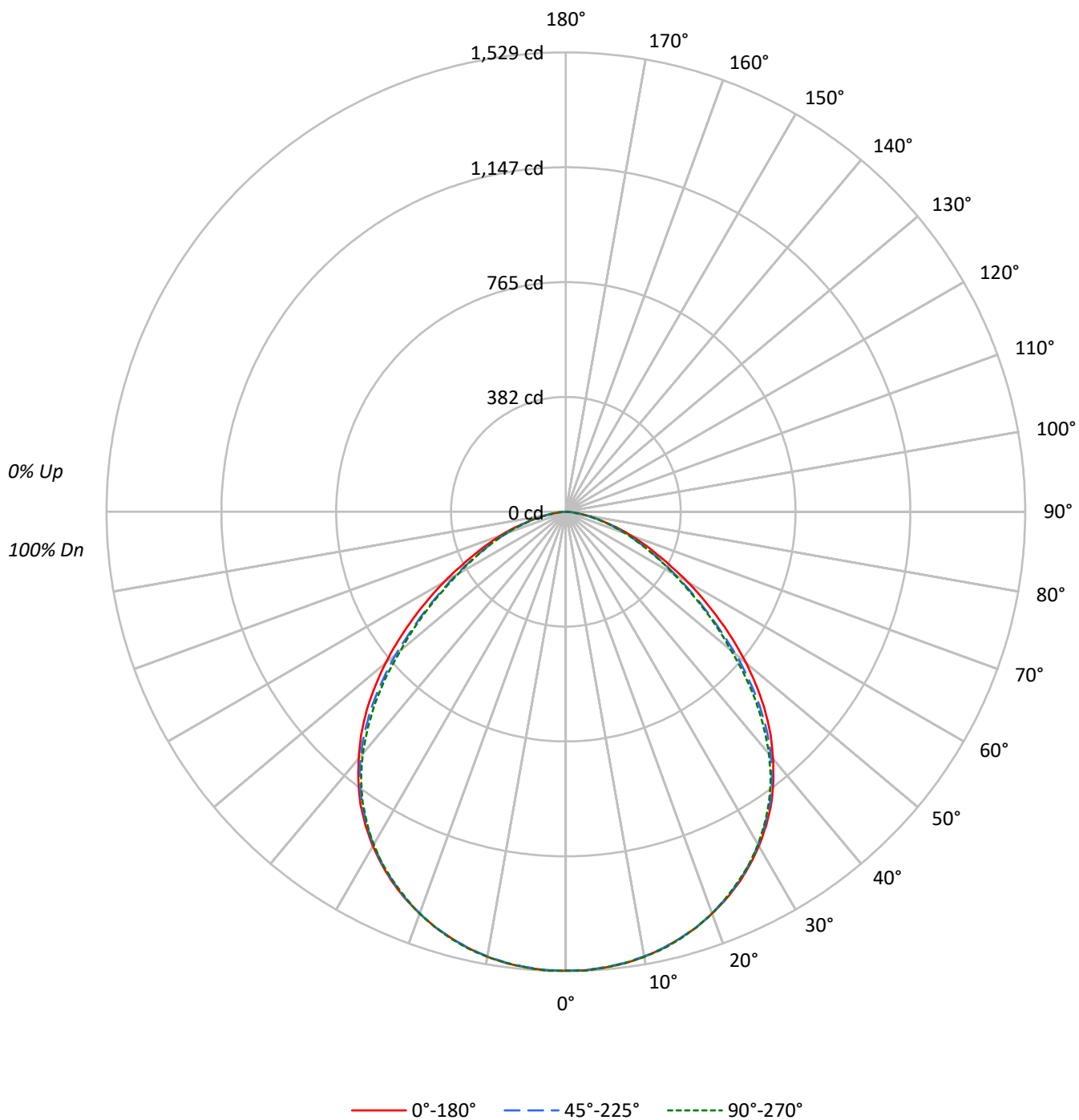
Lumens per Lamp: N/A
Luminaire Lumens: 3627.1 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2184	2184	2184
5°	2186	2184	2186
10°	2184	2182	2185
15°	2176	2176	2179
20°	2166	2164	2166
25°	2150	2145	2143
30°	2122	2114	2112
35°	2080	2067	2059
40°	2002	1983	1963
45°	1898	1842	1811
50°	1741	1644	1597
55°	1549	1412	1391
60°	1342	1206	1186
65°	1132	1034	1022
70°	961	886	891
75°	755	721	728
80°	550	540	545
85°	336	356	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	4.0
10°-20°	414.9	11.4
20°-30°	626.2	17.3
30°-40°	738.4	20.4
40°-50°	701.6	19.3
50°-60°	517.7	14.3
60°-70°	312.5	8.6
70°-80°	143.1	3.9
80°-90°	27.9	0.8
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°	1185.8	32.7
0°-40°	1924.2	53.1
0°-60°	3143.6	86.7
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°	1527	1527	1527	1527	1527	
5°	1523	1523	1521	1520	1523	145
15°	1470	1470	1470	1469	1472	415
25°	1363	1362	1360	1357	1358	627
35°	1191	1189	1184	1179	1179	743
45°	938	932	911	898	895	721
55°	621	596	566	553	558	556
65°	334	324	306	300	302	336
75°	137	134	130	129	132	149
85°	20	21	22	21	22	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.4	1527.4	1527.4	1527.4	1527.4
2.5°	1527.4	1527.4	1526.2	1525.0	1528.6
5°	1522.6	1523.2	1521.4	1520.2	1522.6
7.5°	1515.4	1515.4	1513.6	1512.4	1514.8
10°	1504.0	1504.0	1502.8	1502.2	1504.6
12.5°	1488.9	1489.5	1488.3	1487.7	1490.7
15°	1469.7	1470.3	1469.7	1469.1	1471.5
17.5°	1449.2	1449.8	1448.6	1446.8	1449.2
20°	1423.3	1424.5	1422.1	1420.9	1423.3
22.5°	1394.5	1395.7	1393.3	1392.1	1392.1
25°	1362.6	1362.0	1359.6	1357.2	1357.8
27.5°	1325.3	1325.9	1322.3	1319.9	1321.7
30°	1285.0	1285.6	1280.2	1278.4	1279.0
32.5°	1239.9	1239.3	1234.4	1231.4	1231.4
35°	1191.1	1189.3	1183.9	1179.1	1179.1
37.5°	1134.6	1133.4	1127.4	1121.3	1119.5
40°	1072.6	1071.4	1062.4	1054.6	1051.6
42.5°	1008.9	1005.2	990.8	978.8	975.8
45°	938.5	931.9	910.8	898.2	895.2
47.5°	862.7	854.2	825.4	810.9	809.7
50°	782.7	767.6	738.7	720.1	717.7
52.5°	702.0	680.4	647.3	633.5	637.1
55°	621.4	596.2	566.1	552.9	557.7
57.5°	543.2	516.8	490.9	477.7	480.7
60°	469.2	446.4	421.7	410.9	414.5
62.5°	396.4	382.0	360.9	351.3	356.1
65°	334.5	323.7	305.6	299.6	302.0
67.5°	280.3	271.9	256.3	251.5	255.1
70°	229.8	223.8	211.8	210.0	213.0
72.5°	181.7	178.1	171.5	168.4	170.2
75°	136.6	134.2	130.5	128.7	131.7
77.5°	98.7	96.9	95.7	95.7	96.3
80°	66.8	66.2	65.6	65.0	66.2
82.5°	40.9	40.9	40.9	40.9	41.5
85°	20.5	21.1	21.7	21.1	21.7
87.5°	6.6	7.2	7.8	7.8	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)