

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: P1192876

Luminaire Tested: 24PT-35-PB1-L850

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192876
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-35-PB1-L850
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

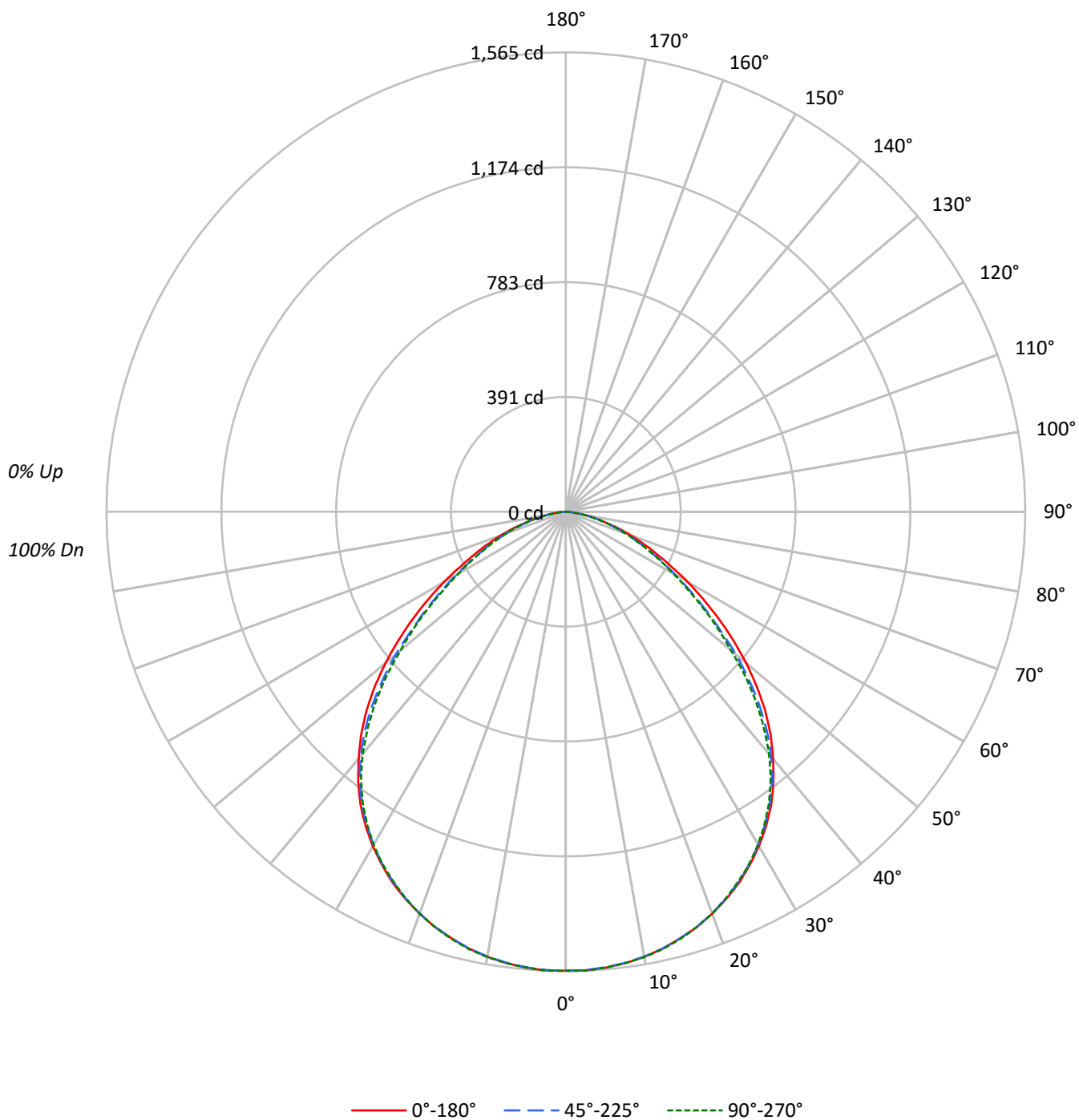
Lumens per Lamp: N/A
Luminaire Lumens: 3713.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	2236	2236	2236
5°	2238	2236	2238
10°	2236	2234	2237
15°	2228	2228	2230
20°	2218	2216	2218
25°	2201	2196	2193
30°	2172	2164	2162
35°	2129	2116	2107
40°	2050	2030	2010
45°	1943	1886	1853
50°	1783	1683	1635
55°	1586	1445	1423
60°	1374	1235	1214
65°	1159	1059	1046
70°	984	907	912
75°	772	738	745
80°	563	553	558
85°	343	364	364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1943 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	4.0
10°-20°	424.7	11.4
20°-30°	641.1	17.3
30°-40°	756.0	20.4
40°-50°	718.3	19.3
50°-60°	530.0	14.3
60°-70°	319.9	8.6
70°-80°	146.4	3.9
80°-90°	28.6	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°	1213.9	32.7
0°-40°	1969.8	53.1
0°-60°	3218.1	86.7
0°-90°	3713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1559	1559	1558	1556	1559	148
15°	1504	1505	1504	1504	1506	425
25°	1395	1394	1392	1389	1390	642
35°	1219	1218	1212	1207	1207	760
45°	961	954	932	920	916	738
55°	636	610	580	566	571	570
65°	342	331	313	307	309	344
75°	140	137	134	132	135	152
85°	21	22	22	22	22	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1563.6	1563.6	1563.6	1563.6	1563.6
2.5°	1563.6	1563.6	1562.4	1561.2	1564.9
5°	1558.7	1559.3	1557.5	1556.2	1558.7
7.5°	1551.3	1551.3	1549.5	1548.2	1550.7
10°	1539.6	1539.6	1538.4	1537.8	1540.2
12.5°	1524.2	1524.8	1523.6	1523.0	1526.1
15°	1504.5	1505.1	1504.5	1503.9	1506.4
17.5°	1483.6	1484.2	1483.0	1481.1	1483.6
20°	1457.1	1458.3	1455.9	1454.6	1457.1
22.5°	1427.5	1428.8	1426.3	1425.1	1425.1
25°	1394.9	1394.3	1391.8	1389.3	1390.0
27.5°	1356.7	1357.3	1353.6	1351.2	1353.0
30°	1315.4	1316.1	1310.5	1308.7	1309.3
32.5°	1269.3	1268.6	1263.7	1260.6	1260.6
35°	1219.4	1217.5	1212.0	1207.1	1207.1
37.5°	1161.5	1160.3	1154.1	1147.9	1146.1
40°	1098.1	1096.8	1087.6	1079.6	1076.5
42.5°	1032.8	1029.1	1014.3	1002.0	998.9
45°	960.7	953.9	932.4	919.5	916.4
47.5°	883.1	874.5	844.9	830.2	828.9
50°	801.2	785.8	756.3	737.2	734.7
52.5°	718.7	696.5	662.7	648.5	652.2
55°	636.2	610.3	579.5	566.0	570.9
57.5°	556.1	529.0	502.5	489.0	492.1
60°	480.4	457.0	431.7	420.6	424.3
62.5°	405.8	391.1	369.5	359.7	364.6
65°	342.4	331.3	312.9	306.7	309.2
67.5°	287.0	278.4	262.4	257.4	261.1
70°	235.3	229.1	216.8	214.9	218.0
72.5°	186.0	182.3	175.5	172.4	174.3
75°	139.8	137.3	133.6	131.8	134.9
77.5°	101.0	99.2	97.9	97.9	98.5
80°	68.4	67.7	67.1	66.5	67.7
82.5°	41.9	41.9	41.9	41.9	42.5
85°	20.9	21.6	22.2	21.6	22.2
87.5°	6.8	7.4	8.0	8.0	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)