

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: P1192875

Luminaire Tested: 24PT-35-PB1-L840

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192875
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-L840
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

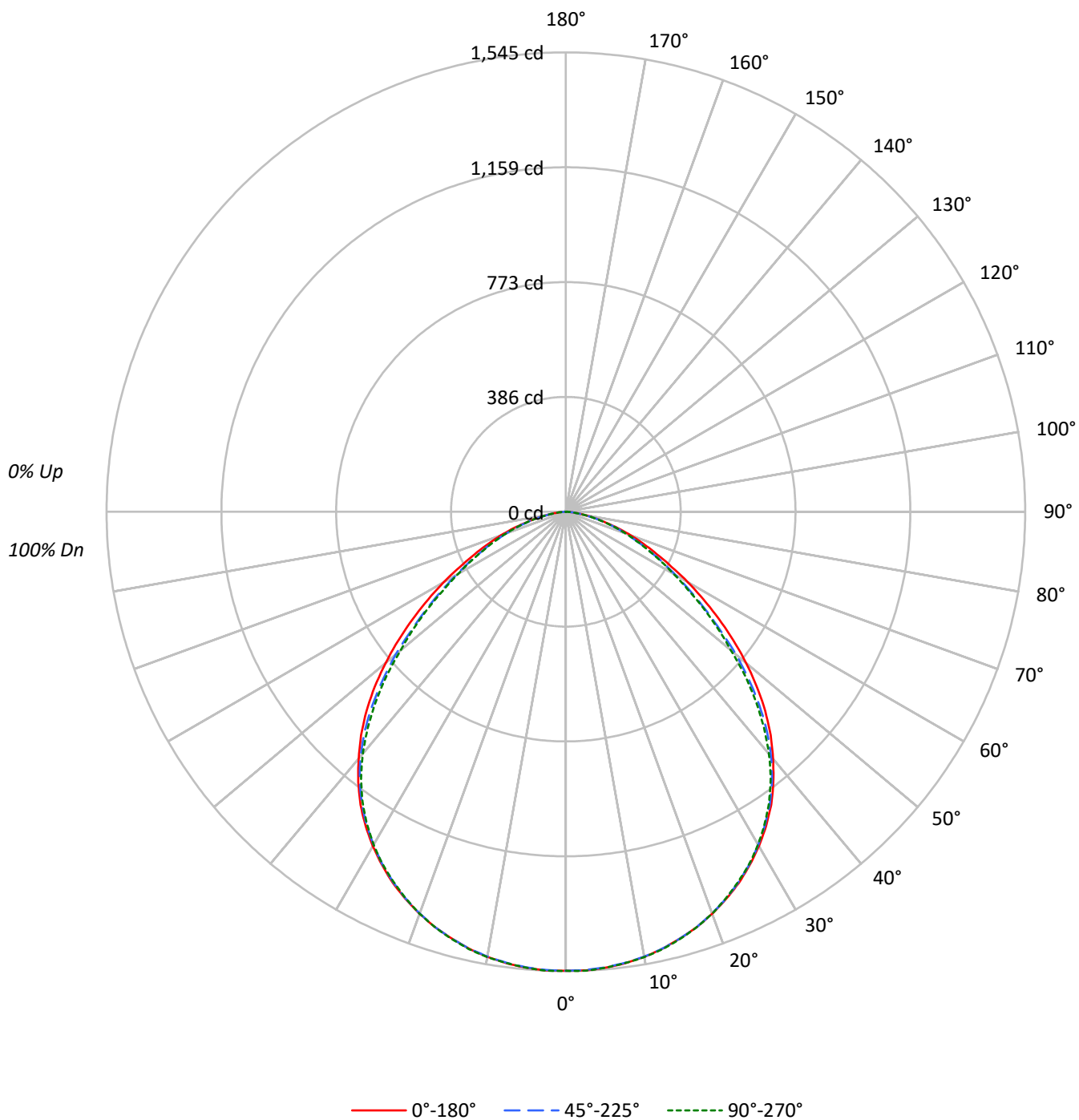
Lumens per Lamp: N/A
Luminaire Lumens: 3666.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1192875

CATALOG NUMBER: 24PT-35-PB1-L840

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°	2208	2208	2208
5°	2209	2208	2209
10°	2208	2206	2208
15°	2199	2199	2202
20°	2189	2188	2189
25°	2173	2168	2166
30°	2145	2137	2135
35°	2102	2089	2081
40°	2024	2005	1984
45°	1919	1862	1830
50°	1760	1661	1614
55°	1566	1427	1406
60°	1357	1219	1198
65°	1144	1045	1033
70°	971	895	900
75°	763	729	736
80°	556	546	551
85°	340	359	359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1919 cd/sqm

TEST NUMBER: P1192875

CATALOG NUMBER: 24PT-35-PB1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	4.0
10°-20°	419.3	11.4
20°-30°	633.0	17.3
30°-40°	746.4	20.4
40°-50°	709.2	19.3
50°-60°	523.3	14.3
60°-70°	315.9	8.6
70°-80°	144.6	3.9
80°-90°	28.2	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°	1198.5	32.7
0°-40°	1944.9	53.1
0°-60°	3177.4	86.7
0°-90°	3666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1539	1540	1538	1536	1539	146
15°	1486	1486	1486	1485	1487	419
25°	1377	1377	1374	1372	1372	634
35°	1204	1202	1197	1192	1192	751
45°	949	942	921	908	905	728
55°	628	603	572	559	564	562
65°	338	327	309	303	305	340
75°	138	136	132	130	133	150
85°	21	21	22	21	22	28
90°	0	0	0	0	0	

TEST NUMBER: P1192875

CATALOG NUMBER: 24PT-35-PB1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1543.8	1543.8	1543.8	1543.8	1543.8
2.5°	1543.8	1543.8	1542.6	1541.4	1545.1
5°	1539.0	1539.6	1537.8	1536.5	1539.0
7.5°	1531.7	1531.7	1529.9	1528.6	1531.1
10°	1520.1	1520.1	1518.9	1518.3	1520.7
12.5°	1504.9	1505.5	1504.3	1503.7	1506.8
15°	1485.5	1486.1	1485.5	1484.9	1487.3
17.5°	1464.8	1465.4	1464.2	1462.4	1464.8
20°	1438.6	1439.9	1437.4	1436.2	1438.6
22.5°	1409.5	1410.7	1408.2	1407.0	1407.0
25°	1377.2	1376.6	1374.2	1371.8	1372.4
27.5°	1339.5	1340.1	1336.5	1334.1	1335.9
30°	1298.8	1299.4	1293.9	1292.1	1292.7
32.5°	1253.2	1252.6	1247.7	1244.7	1244.7
35°	1203.9	1202.1	1196.6	1191.8	1191.8
37.5°	1146.8	1145.6	1139.5	1133.4	1131.6
40°	1084.2	1082.9	1073.8	1065.9	1062.9
42.5°	1019.7	1016.1	1001.5	989.3	986.3
45°	948.6	941.9	920.6	907.8	904.8
47.5°	871.9	863.4	834.2	819.7	818.4
50°	791.1	775.9	746.7	727.8	725.4
52.5°	709.6	687.7	654.3	640.3	643.9
55°	628.1	602.6	572.2	558.8	563.7
57.5°	549.1	522.3	496.2	482.8	485.8
60°	474.3	451.2	426.2	415.3	418.9
62.5°	400.7	386.1	364.8	355.1	360.0
65°	338.1	327.1	308.9	302.8	305.2
67.5°	283.4	274.8	259.0	254.2	257.8
70°	232.3	226.2	214.0	212.2	215.3
72.5°	183.6	180.0	173.3	170.3	172.1
75°	138.0	135.6	131.9	130.1	133.2
77.5°	99.7	97.9	96.7	96.7	97.3
80°	67.5	66.9	66.3	65.7	66.9
82.5°	41.3	41.3	41.3	41.3	42.0
85°	20.7	21.3	21.9	21.3	21.9
87.5°	6.7	7.3	7.9	7.9	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)