

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: P1050544

Luminaire Tested: 24PTR-35-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PB1-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

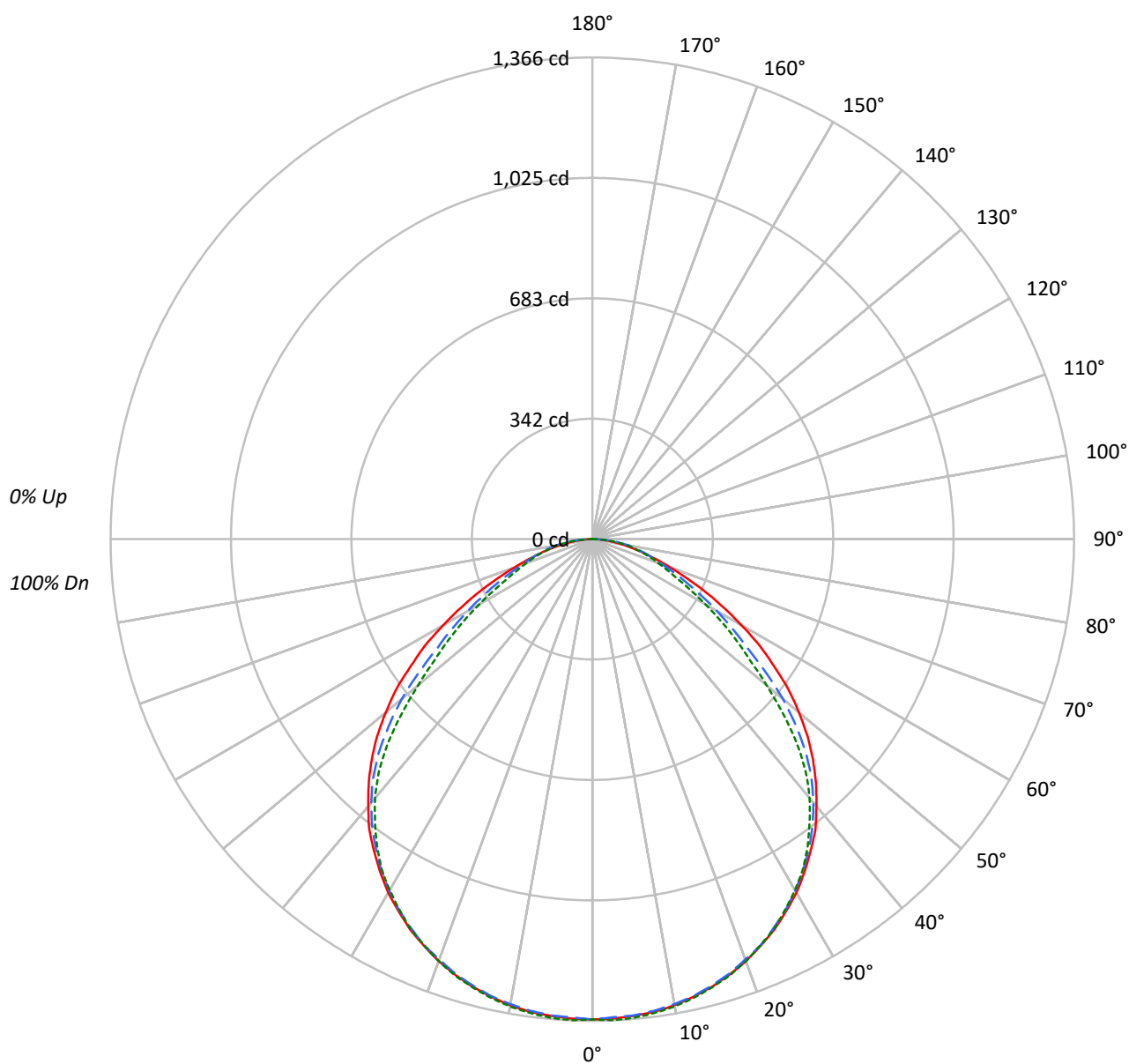
Lumens per Lamp: N/A
Luminaire Lumens: 3397.0 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1833	1833	1833
5°	1833	1831	1840
10°	1834	1829	1838
15°	1830	1825	1832
20°	1823	1816	1823
25°	1814	1806	1811
30°	1799	1789	1786
35°	1772	1759	1748
40°	1736	1713	1683
45°	1683	1629	1562
50°	1600	1477	1350
55°	1474	1254	1163
60°	1312	1096	996
65°	1126	950	848
70°	930	838	778
75°	784	801	758
80°	662	817	779
85°	519	829	726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1683 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	3.8
10°-20°	370.6	10.9
20°-30°	561.4	16.5
30°-40°	669.0	19.7
40°-50°	654.2	19.3
50°-60°	494.8	14.6
60°-70°	304.0	8.9
70°-80°	162.0	4.8
80°-90°	51.7	1.5
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°	1061.3	31.2
0°-40°	1730.2	50.9
0°-60°	2879.3	84.8
0°-90°	3397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1357	1359	1356	1361	1362	129
15°	1314	1315	1310	1315	1315	371
25°	1222	1220	1216	1218	1220	563
35°	1079	1078	1071	1066	1064	675
45°	885	880	856	828	821	681
55°	628	596	535	504	496	563
65°	354	325	298	275	266	352
75°	151	152	154	149	146	162
85°	34	44	54	50	47	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.3	1362.3	1362.3	1362.3	1362.3
2.5°	1360.7	1362.3	1357.2	1364.1	1365.6
5°	1357.2	1358.9	1355.6	1360.7	1362.3
7.5°	1352.3	1352.3	1348.9	1353.8	1355.6
10°	1342.2	1342.2	1338.9	1343.8	1345.6
12.5°	1328.9	1328.9	1327.1	1330.5	1332.2
15°	1313.7	1315.3	1310.4	1315.3	1315.3
17.5°	1295.3	1293.7	1291.9	1295.3	1297.0
20°	1273.5	1273.5	1268.5	1271.9	1273.5
22.5°	1248.3	1248.3	1246.7	1248.3	1246.7
25°	1221.6	1219.8	1216.5	1218.2	1219.8
27.5°	1189.7	1189.7	1186.4	1186.4	1184.6
30°	1157.9	1156.1	1151.2	1147.8	1149.4
32.5°	1119.4	1117.6	1112.7	1109.3	1110.9
35°	1079.1	1077.5	1070.8	1065.7	1064.1
37.5°	1039.0	1033.9	1025.4	1018.7	1012.0
40°	988.6	983.5	975.3	960.1	958.4
42.5°	938.3	933.4	919.9	901.6	896.5
45°	884.7	879.8	856.2	827.7	821.0
47.5°	827.7	819.4	782.5	747.3	733.9
50°	764.2	749.0	705.4	660.2	645.1
52.5°	702.1	675.3	618.3	578.1	563.1
55°	628.4	596.5	534.6	504.4	495.9
57.5°	563.1	519.5	469.2	439.1	432.4
60°	487.6	447.4	407.2	380.3	370.3
62.5°	418.9	383.7	350.2	326.7	315.1
65°	353.6	325.1	298.4	274.8	266.5
67.5°	289.9	274.8	253.0	234.7	229.6
70°	236.3	227.8	212.9	204.4	197.7
72.5°	187.7	191.0	181.0	177.7	172.6
75°	150.8	152.5	154.1	149.2	145.8
77.5°	114.0	122.3	128.9	125.6	122.3
80°	85.5	93.8	105.5	100.6	100.6
82.5°	58.6	68.8	78.8	75.5	73.7
85°	33.6	43.6	53.7	50.3	47.0
87.5°	13.4	21.8	23.4	23.4	21.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)