

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: P1050940

Luminaire Tested: 24PTR-35-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PR1-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

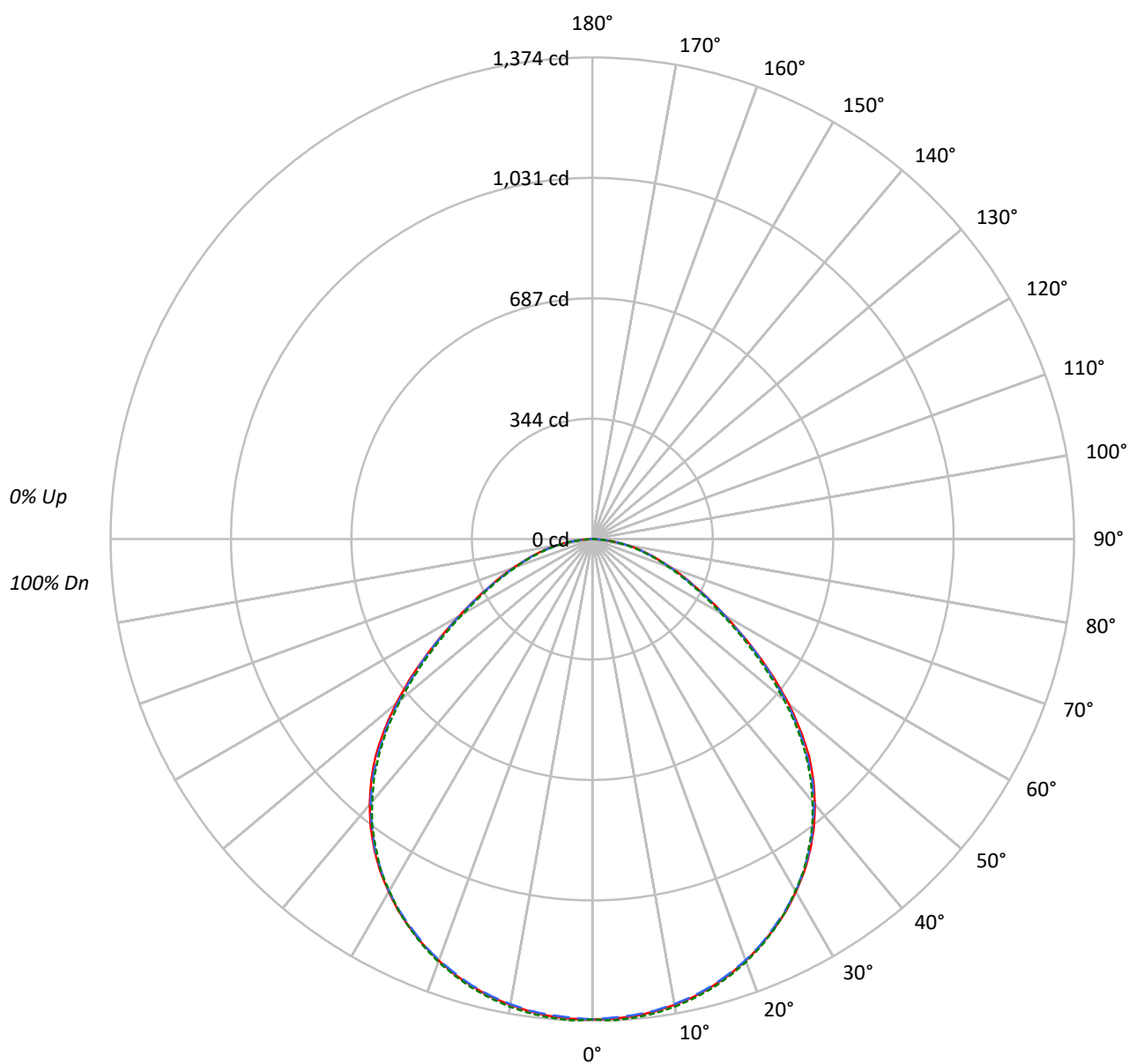
Lumens per Lamp: N/A
Luminaire Lumens: 3464.8 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1843	1843	1843
5°	1845	1841	1851
10°	1844	1840	1850
15°	1840	1837	1846
20°	1832	1830	1837
25°	1820	1816	1823
30°	1804	1802	1800
35°	1779	1775	1768
40°	1734	1728	1715
45°	1662	1643	1632
50°	1529	1512	1494
55°	1354	1348	1321
60°	1176	1172	1140
65°	1037	1030	1010
70°	941	927	908
75°	871	850	835
80°	795	784	758
85°	628	622	597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	3.8
10°-20°	373.0	10.8
20°-30°	565.1	16.3
30°-40°	674.6	19.5
40°-50°	663.4	19.1
50°-60°	512.7	14.8
60°-70°	323.3	9.3
70°-80°	174.9	5.0
80°-90°	47.8	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°	1068.1	30.8
0°-40°	1742.7	50.3
0°-60°	2918.8	84.2
0°-90°	3464.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1366	1367	1363	1369	1371	130
15°	1321	1321	1319	1323	1325	373
25°	1226	1227	1223	1227	1228	565
35°	1083	1084	1081	1079	1076	676
45°	874	870	864	857	858	669
55°	577	582	574	565	563	518
65°	326	326	324	318	317	328
75°	168	166	164	164	161	178
85°	41	41	40	41	39	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1370.0	1370.0	1370.0	1370.0	1370.0
2.5°	1369.5	1370.0	1366.1	1372.5	1374.0
5°	1366.1	1366.7	1363.1	1369.0	1370.6
7.5°	1359.2	1360.2	1356.8	1362.7	1364.2
10°	1349.4	1350.4	1347.0	1352.9	1354.3
12.5°	1337.2	1337.6	1334.7	1340.1	1341.5
15°	1321.0	1321.3	1319.0	1323.3	1325.3
17.5°	1302.3	1302.8	1299.4	1304.7	1305.6
20°	1279.8	1280.1	1278.2	1282.6	1283.2
22.5°	1254.6	1255.7	1252.7	1256.6	1257.1
25°	1226.2	1227.1	1223.2	1227.1	1227.7
27.5°	1196.3	1196.6	1193.2	1196.3	1195.7
30°	1161.3	1164.3	1159.9	1158.8	1158.4
32.5°	1125.1	1125.4	1121.2	1120.1	1122.1
35°	1083.3	1083.7	1080.8	1079.4	1076.4
37.5°	1037.7	1037.7	1032.1	1031.2	1030.7
40°	987.5	987.0	983.6	980.2	976.6
42.5°	932.9	934.0	927.0	921.2	920.3
45°	873.5	870.1	863.7	856.9	857.5
47.5°	803.4	804.3	795.6	790.0	788.6
50°	730.6	730.6	722.4	716.5	713.5
52.5°	654.6	655.1	647.3	639.4	637.8
55°	577.0	581.8	574.5	565.2	563.3
57.5°	504.4	508.3	501.3	491.5	491.0
60°	437.1	437.5	435.5	426.2	423.7
62.5°	379.7	377.2	376.1	371.3	368.2
65°	325.6	326.1	323.6	318.1	317.2
67.5°	281.9	281.4	276.9	273.5	271.5
70°	239.1	237.6	235.7	232.8	230.9
72.5°	200.9	200.9	199.3	198.4	195.0
75°	167.5	165.6	163.6	164.5	160.6
77.5°	135.6	133.6	132.0	130.1	129.2
80°	102.6	100.6	101.2	98.1	97.8
82.5°	71.2	71.2	70.3	67.8	68.3
85°	40.7	41.2	40.3	40.7	38.7
87.5°	14.8	15.2	16.2	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)