

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: P1050643

Luminaire Tested: 24PTR-35-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PC3-L840-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

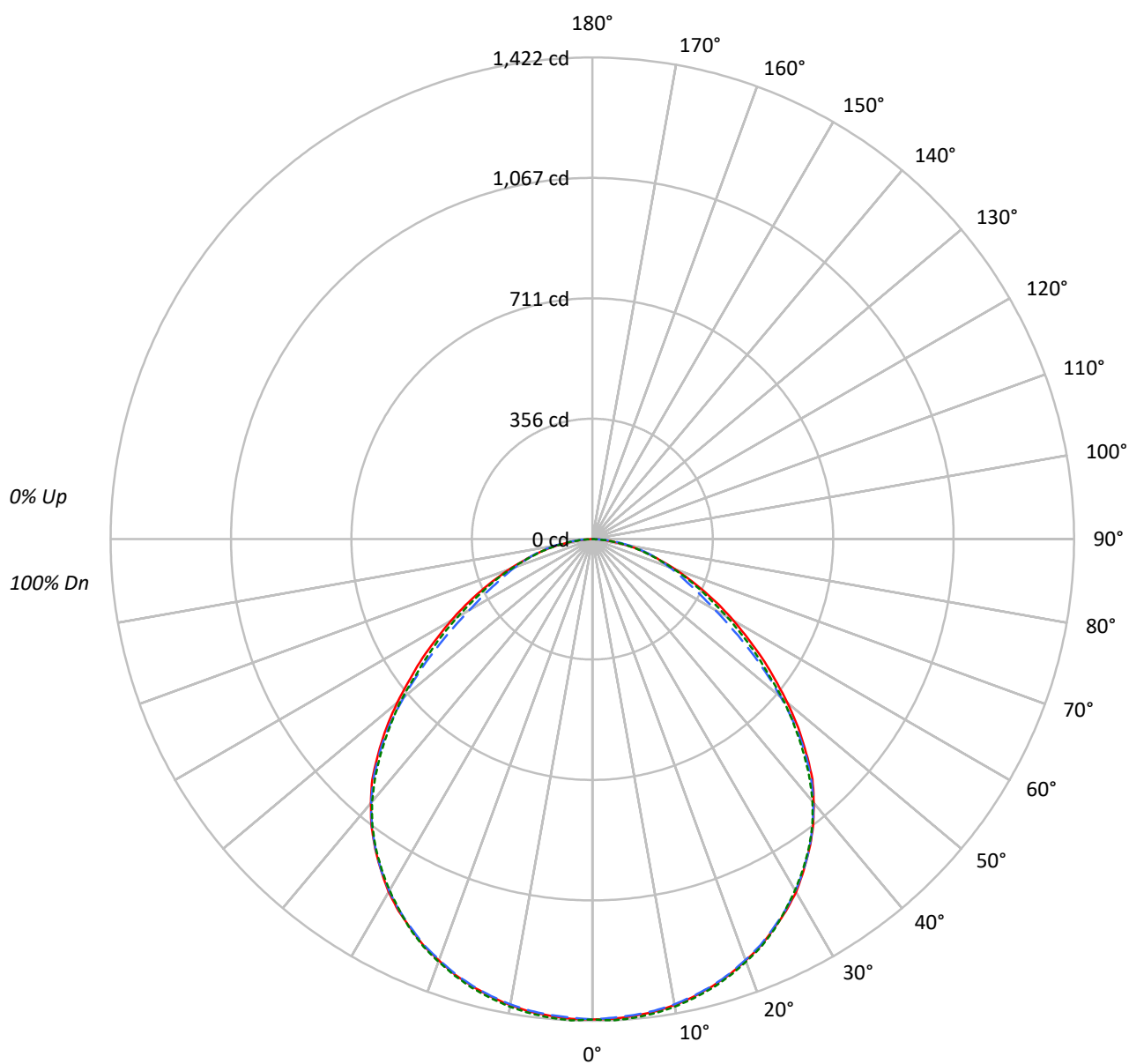
Lumens per Lamp: N/A
Luminaire Lumens: 3575.4 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1908	1908	1908
5°	1909	1905	1916
10°	1909	1905	1915
15°	1904	1902	1911
20°	1895	1893	1901
25°	1883	1880	1887
30°	1869	1862	1859
35°	1835	1833	1830
40°	1786	1784	1776
45°	1699	1686	1669
50°	1572	1520	1537
55°	1435	1319	1378
60°	1294	1125	1234
65°	1157	1006	1110
70°	1026	952	998
75°	907	923	889
80°	783	881	778
85°	587	698	587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1703 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	3.8
10°-20°	386.1	10.8
20°-30°	584.6	16.3
30°-40°	696.9	19.5
40°-50°	681.0	19.0
50°-60°	520.7	14.6
60°-70°	334.3	9.4
70°-80°	186.0	5.2
80°-90°	51.4	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°	1105.2	30.9
0°-40°	1802.1	50.4
0°-60°	3003.8	84.0
0°-90°	3575.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1418	1418	1418	1418	1418	
5°	1413	1414	1411	1417	1419	134
15°	1367	1368	1366	1370	1372	386
25°	1268	1270	1266	1270	1271	585
35°	1117	1118	1116	1115	1114	698
45°	893	895	886	884	877	687
55°	612	590	562	569	587	547
65°	363	335	316	327	348	362
75°	174	176	178	175	171	186
85°	38	45	45	44	38	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1418.2	1418.2	1418.2	1418.2	1418.2
2.5°	1417.3	1417.8	1414.1	1420.2	1422.2
5°	1413.2	1414.1	1410.6	1417.3	1418.7
7.5°	1407.1	1408.0	1404.5	1411.2	1411.7
10°	1397.0	1397.5	1394.4	1401.0	1402.0
12.5°	1383.4	1384.8	1381.3	1387.4	1387.8
15°	1366.9	1368.1	1365.5	1370.1	1371.6
17.5°	1347.8	1348.3	1345.8	1350.7	1351.3
20°	1323.8	1323.8	1321.8	1327.5	1327.5
22.5°	1299.5	1298.0	1297.5	1299.5	1302.6
25°	1268.2	1269.6	1266.1	1270.2	1271.1
27.5°	1237.8	1237.8	1234.6	1236.6	1234.1
30°	1202.7	1200.7	1198.7	1199.1	1196.7
32.5°	1160.5	1160.5	1159.6	1159.6	1156.5
35°	1117.0	1118.0	1115.9	1115.4	1113.9
37.5°	1070.2	1071.9	1068.2	1067.3	1066.2
40°	1017.0	1017.0	1015.5	1013.5	1010.9
42.5°	961.7	961.7	955.2	950.1	946.6
45°	892.7	894.8	886.1	884.1	877.1
47.5°	824.2	822.7	811.1	809.6	805.6
50°	751.2	742.5	726.0	730.4	734.1
52.5°	678.2	667.5	643.2	648.2	654.3
55°	611.7	590.5	562.1	569.1	587.4
57.5°	542.2	513.8	485.4	498.7	521.4
60°	480.8	449.0	418.0	432.2	458.5
62.5°	422.0	388.1	363.3	376.9	399.2
65°	363.3	335.2	316.1	326.6	348.5
67.5°	309.4	290.6	277.6	282.5	300.2
70°	260.8	249.0	242.0	243.5	253.6
72.5°	214.5	211.6	209.0	209.0	209.9
75°	174.5	176.0	177.5	175.1	171.0
77.5°	137.5	142.5	146.1	141.0	136.0
80°	101.0	109.1	113.7	108.0	100.4
82.5°	68.9	78.1	79.6	76.1	67.5
85°	38.0	44.6	45.2	43.7	38.0
87.5°	14.2	16.8	18.2	16.8	14.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)