

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: P1050713

Luminaire Tested: 24PTR-60-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PL1-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

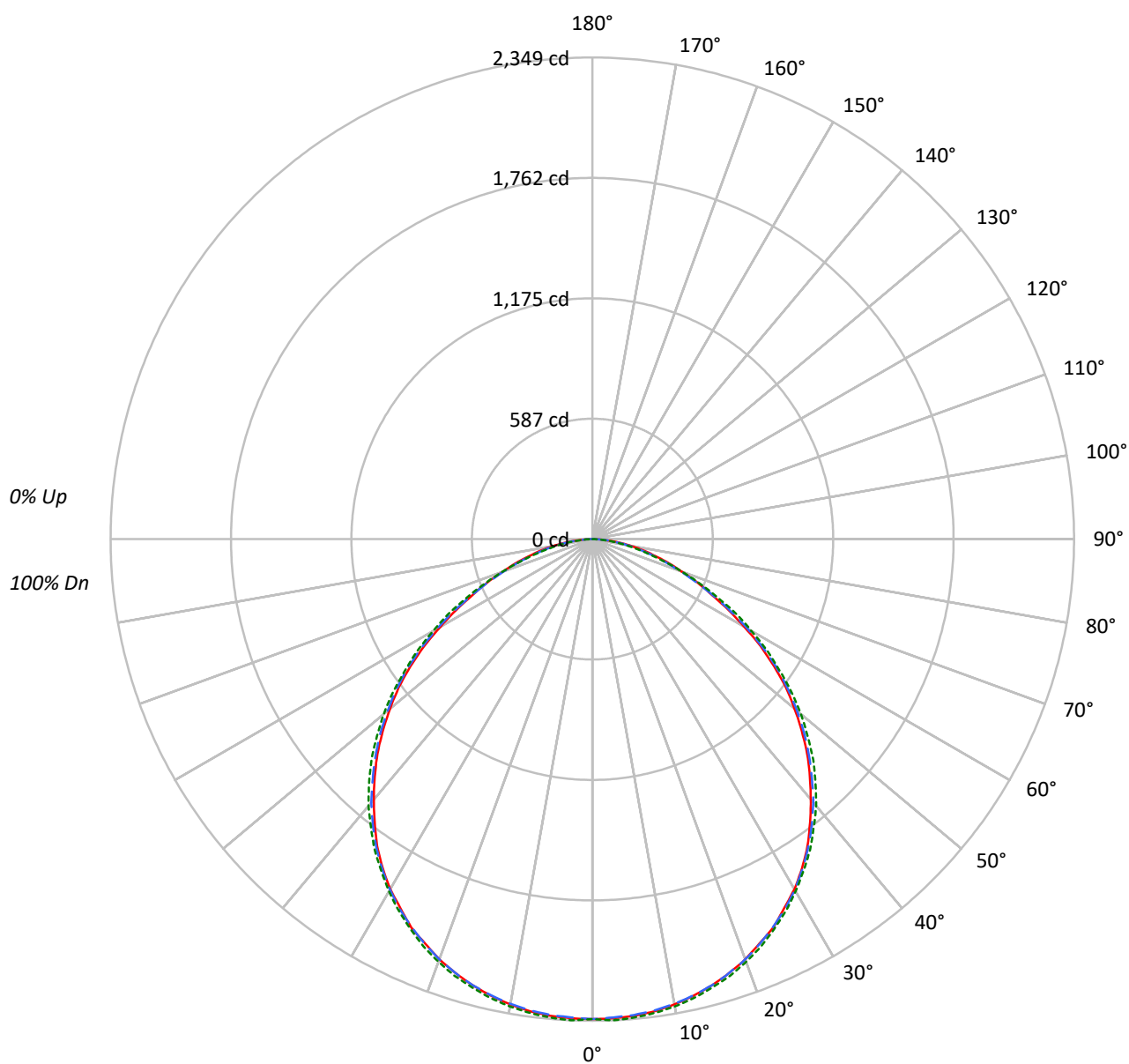
Lumens per Lamp: N/A
Luminaire Lumens: 6170.2 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3150	3150	3150
5°	3152	3146	3164
10°	3148	3145	3162
15°	3139	3137	3153
20°	3123	3123	3140
25°	3102	3098	3114
30°	3062	3067	3081
35°	3004	3016	3040
40°	2911	2945	2982
45°	2820	2843	2898
50°	2696	2725	2779
55°	2539	2580	2610
60°	2303	2352	2411
65°	2046	2068	2151
70°	1828	1792	1836
75°	1650	1555	1524
80°	1499	1392	1236
85°	1269	1153	993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	3.6
10°-20°	636.8	10.3
20°-30°	963.3	15.6
30°-40°	1148.2	18.6
40°-50°	1154.6	18.7
50°-60°	979.9	15.9
60°-70°	652.4	10.6
70°-80°	325.8	5.3
80°-90°	87.2	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°	1822.1	29.5
0°-40°	2970.3	48.1
0°-60°	5104.8	82.7
0°-90°	6170.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6170.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2341	2341	2341	2341	2341	
5°	2334	2334	2329	2340	2342	222
15°	2253	2256	2252	2262	2264	636
25°	2089	2089	2086	2096	2098	961
35°	1829	1831	1836	1849	1851	1141
45°	1482	1485	1494	1514	1523	1140
55°	1082	1090	1100	1110	1113	965
65°	642	648	650	659	676	644
75°	317	313	299	292	293	341
85°	82	81	75	70	64	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2340.8	2340.8	2340.8	2340.8	2340.8
2.5°	2338.9	2340.8	2334.5	2345.8	2348.7
5°	2333.8	2334.5	2329.4	2339.8	2342.3
7.5°	2322.5	2323.4	2318.1	2329.4	2331.0
10°	2304.2	2306.1	2301.7	2312.1	2314.6
12.5°	2280.9	2283.4	2279.0	2290.4	2292.2
15°	2253.2	2255.7	2252.2	2261.7	2263.6
17.5°	2219.1	2221.0	2219.1	2228.0	2233.0
20°	2181.0	2181.0	2181.0	2188.9	2193.3
22.5°	2133.4	2137.8	2135.9	2146.3	2150.7
25°	2089.3	2089.3	2086.5	2096.2	2097.8
27.5°	2027.5	2034.5	2033.8	2042.3	2044.2
30°	1971.1	1973.0	1974.0	1980.0	1983.4
32.5°	1902.7	1904.3	1907.2	1915.7	1916.6
35°	1829.0	1830.9	1835.9	1848.9	1850.7
37.5°	1743.3	1752.7	1757.2	1771.0	1772.6
40°	1657.3	1663.2	1676.5	1691.0	1697.9
42.5°	1569.7	1576.6	1584.5	1604.3	1610.6
45°	1482.0	1484.6	1494.3	1514.2	1523.0
47.5°	1385.0	1392.9	1401.4	1418.7	1424.1
50°	1287.9	1296.4	1301.8	1317.2	1327.6
52.5°	1189.9	1197.8	1203.8	1213.2	1223.6
55°	1082.5	1090.0	1099.8	1110.2	1112.7
57.5°	973.1	981.6	987.9	999.0	1010.3
60°	855.9	865.7	874.2	884.6	895.9
62.5°	746.9	751.0	759.8	777.1	793.5
65°	642.5	647.9	649.5	659.2	675.6
67.5°	555.9	555.9	548.0	551.5	569.8
70°	464.8	461.3	455.4	451.9	466.7
72.5°	391.1	386.7	373.7	367.8	375.6
75°	317.3	312.9	299.1	292.1	293.1
77.5°	254.9	248.0	236.7	224.7	222.2
80°	193.5	190.7	179.6	168.3	159.5
82.5°	137.1	131.1	124.8	117.9	110.9
85°	82.2	80.7	74.7	70.3	64.3
87.5°	33.7	33.7	32.1	30.3	28.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)