

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: P1051032

Luminaire Tested: 24PTR-60-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PW1-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

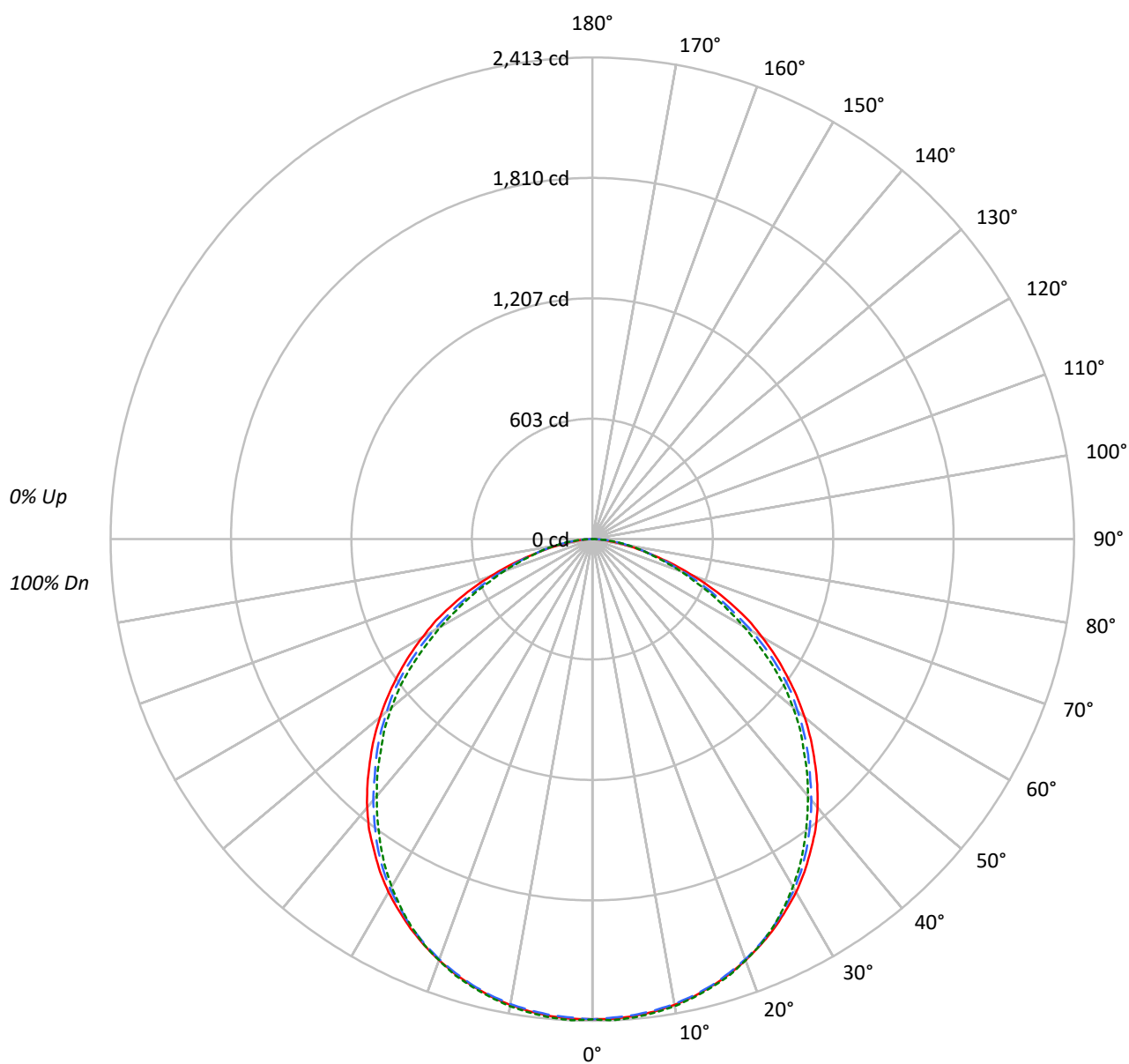
Lumens per Lamp: N/A
Luminaire Lumens: 6383.5 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3236	3236	3236
5°	3239	3232	3249
10°	3238	3231	3247
15°	3228	3223	3235
20°	3215	3207	3215
25°	3197	3184	3181
30°	3173	3145	3123
35°	3130	3083	3043
40°	3082	2998	2951
45°	2997	2908	2849
50°	2906	2811	2746
55°	2785	2691	2584
60°	2641	2485	2355
65°	2443	2219	2109
70°	2118	1932	1859
75°	1691	1653	1608
80°	1285	1436	1436
85°	949	1224	1224

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.1	3.6
10°-20°	654.3	10.2
20°-30°	988.9	15.5
30°-40°	1174.2	18.4
40°-50°	1183.0	18.5
50°-60°	1022.5	16.0
60°-70°	698.9	10.9
70°-80°	344.6	5.4
80°-90°	89.1	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°	1871.3	29.3
0°-40°	3045.5	47.7
0°-60°	5251.0	82.3
0°-90°	6383.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6383.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2398	2399	2393	2403	2405	228
15°	2317	2320	2314	2322	2322	654
25°	2154	2152	2144	2146	2143	992
35°	1906	1899	1877	1860	1853	1193
45°	1575	1558	1528	1511	1497	1216
55°	1187	1184	1147	1113	1102	1062
65°	767	740	697	666	662	757
75°	325	323	318	318	309	354
85°	62	72	79	81	79	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2405.4	2405.4	2405.4	2405.4	2405.4
2.5°	2404.8	2405.4	2399.3	2410.0	2412.6
5°	2398.3	2399.3	2393.1	2402.8	2405.4
7.5°	2387.0	2388.6	2381.5	2391.2	2393.1
10°	2369.8	2370.8	2364.6	2374.3	2376.3
12.5°	2346.8	2347.5	2342.3	2351.0	2351.0
15°	2317.3	2319.9	2313.8	2321.9	2322.5
17.5°	2284.3	2285.3	2279.1	2287.9	2289.8
20°	2245.1	2245.1	2239.9	2247.1	2245.1
22.5°	2201.4	2201.4	2195.2	2198.8	2200.4
25°	2153.5	2151.5	2144.4	2146.3	2142.8
27.5°	2098.1	2098.1	2085.4	2085.4	2079.3
30°	2042.0	2037.5	2024.2	2016.1	2010.0
32.5°	1977.6	1971.4	1954.6	1940.3	1935.8
35°	1905.7	1899.2	1876.9	1860.0	1852.9
37.5°	1836.1	1821.8	1792.3	1775.5	1767.4
40°	1754.8	1737.0	1706.8	1683.5	1680.0
42.5°	1667.6	1653.4	1614.2	1597.0	1592.8
45°	1575.0	1557.8	1528.4	1510.6	1497.3
47.5°	1484.0	1471.4	1437.7	1416.3	1411.8
50°	1388.5	1377.8	1343.1	1320.1	1312.0
52.5°	1289.7	1282.6	1253.1	1223.6	1213.9
55°	1187.3	1183.8	1147.2	1113.2	1101.5
57.5°	1086.6	1082.1	1036.4	997.2	986.5
60°	981.3	968.1	923.4	886.8	875.1
62.5°	881.6	853.1	804.8	776.3	763.1
65°	767.3	739.7	697.0	666.5	662.3
67.5°	655.2	622.2	589.1	570.3	556.1
70°	538.3	515.9	491.0	475.1	472.5
72.5°	429.5	413.6	401.0	391.2	383.1
75°	325.2	322.6	318.0	318.0	309.3
77.5°	239.0	245.2	248.7	247.8	249.7
80°	165.8	178.1	185.3	186.2	185.3
82.5°	105.3	119.5	131.2	132.8	134.7
85°	61.5	72.2	79.3	81.0	79.3
87.5°	27.5	34.7	36.6	38.2	36.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)