

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: P1046691

Luminaire Tested: 22PTR-60-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-L840-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

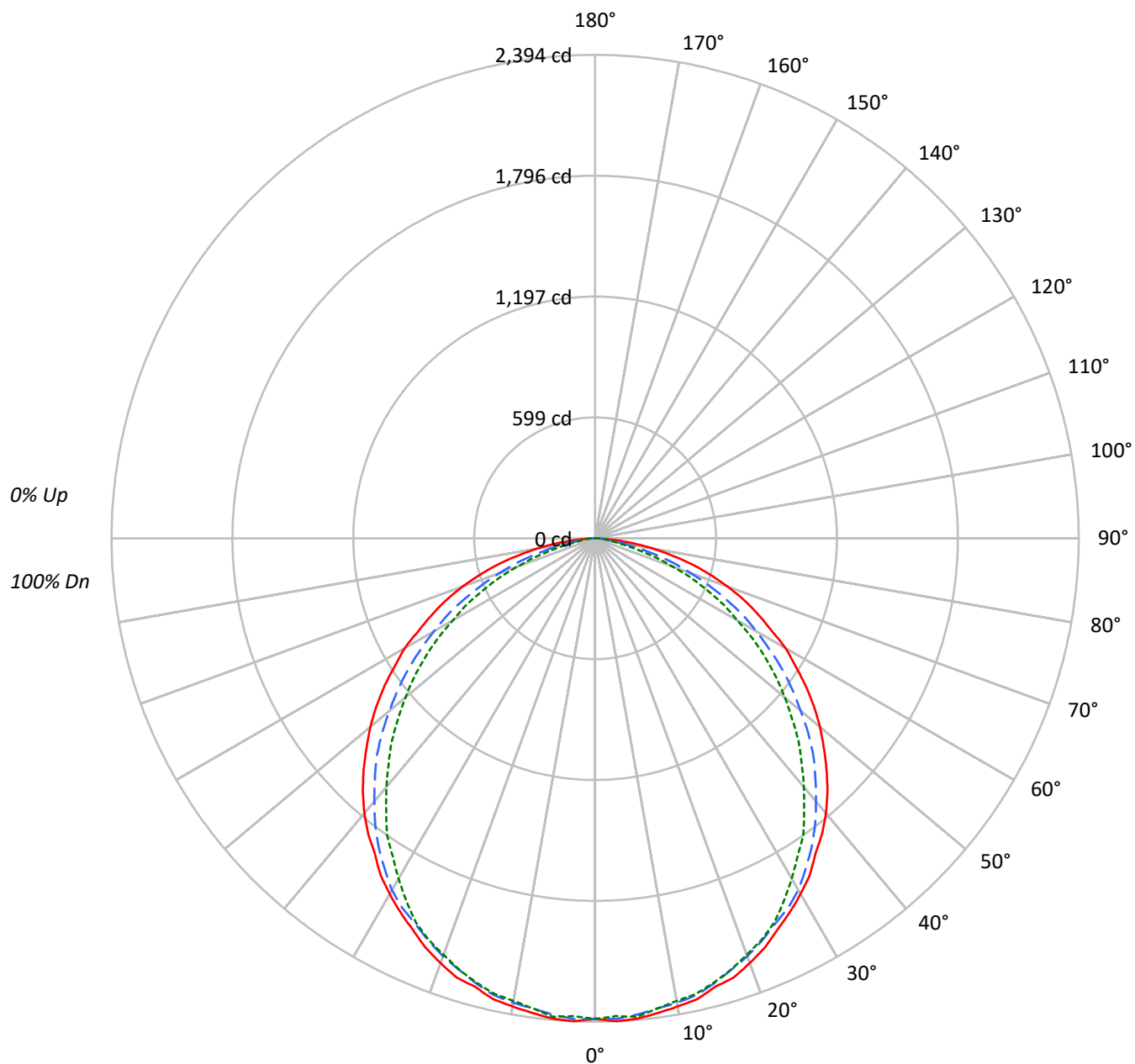
Lumens per Lamp: N/A
Luminaire Lumens: 6339.1 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): 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	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.6
10°-20°	645.5	10.2
20°-30°	975.1	15.4
30°-40°	1159.3	18.3
40°-50°	1175.8	18.5
50°-60°	1021.0	16.1
60°-70°	724.8	11.4
70°-80°	346.4	5.5
80°-90°	65.6	1.0
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°	1846.2	29.1
0°-40°	3005.5	47.4
0°-60°	5202.3	82.1
0°-90°	6339.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6339.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2380	2380	2380	2380	2380	
5°	2388	2380	2368	2374	2378	227
15°	2299	2305	2281	2278	2276	651
25°	2138	2135	2106	2115	2099	987
35°	1902	1899	1868	1804	1796	1195
45°	1620	1606	1529	1449	1424	1250
55°	1271	1233	1130	1063	1026	1136
65°	889	822	714	638	614	880
75°	495	404	300	238	211	519
85°	96	51	44	42	41	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2379.8	2379.8	2379.8	2379.8	2379.8
2.5°	2394.0	2385.5	2382.7	2392.6	2368.5
5°	2388.3	2379.8	2368.5	2374.2	2378.4
7.5°	2371.3	2364.2	2348.6	2361.4	2348.6
10°	2354.3	2347.2	2335.9	2340.1	2326.0
12.5°	2337.3	2320.3	2317.5	2320.3	2310.4
15°	2299.0	2304.7	2280.6	2277.8	2276.4
17.5°	2280.6	2266.4	2240.9	2242.3	2239.5
20°	2238.1	2221.1	2202.7	2199.8	2194.2
22.5°	2194.2	2174.3	2157.3	2165.8	2153.0
25°	2137.5	2134.6	2106.3	2114.8	2099.2
27.5°	2087.8	2077.9	2065.2	2046.7	2024.1
30°	2034.0	2024.1	2011.3	1963.1	1946.1
32.5°	1977.3	1965.9	1940.4	1883.7	1865.3
35°	1902.2	1899.3	1868.1	1804.4	1795.9
37.5°	1845.5	1814.3	1788.8	1723.6	1699.5
40°	1777.4	1760.4	1700.9	1638.5	1607.3
42.5°	1702.3	1682.5	1614.4	1547.8	1513.8
45°	1620.1	1605.9	1529.4	1448.6	1424.5
47.5°	1535.1	1522.3	1431.6	1353.6	1322.4
50°	1452.8	1437.3	1328.1	1253.0	1224.6
52.5°	1363.5	1338.0	1230.3	1156.6	1129.7
55°	1271.4	1233.1	1129.7	1063.1	1026.2
57.5°	1173.6	1138.2	1023.4	953.9	924.2
60°	1088.6	1039.0	921.3	850.4	812.2
62.5°	979.4	936.9	824.9	741.3	722.9
65°	888.7	822.1	714.4	637.8	613.7
67.5°	796.6	718.6	609.5	531.5	518.8
70°	695.9	615.2	503.2	426.6	405.4
72.5°	593.9	514.5	405.4	324.6	311.8
75°	494.7	404.0	300.5	238.1	211.2
77.5°	387.0	304.7	211.2	146.0	129.0
80°	287.7	205.5	121.9	86.5	85.0
82.5°	188.5	119.1	65.2	66.6	63.8
85°	96.4	51.0	43.9	42.5	41.1
87.5°	18.4	19.8	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)