

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: P1050493

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

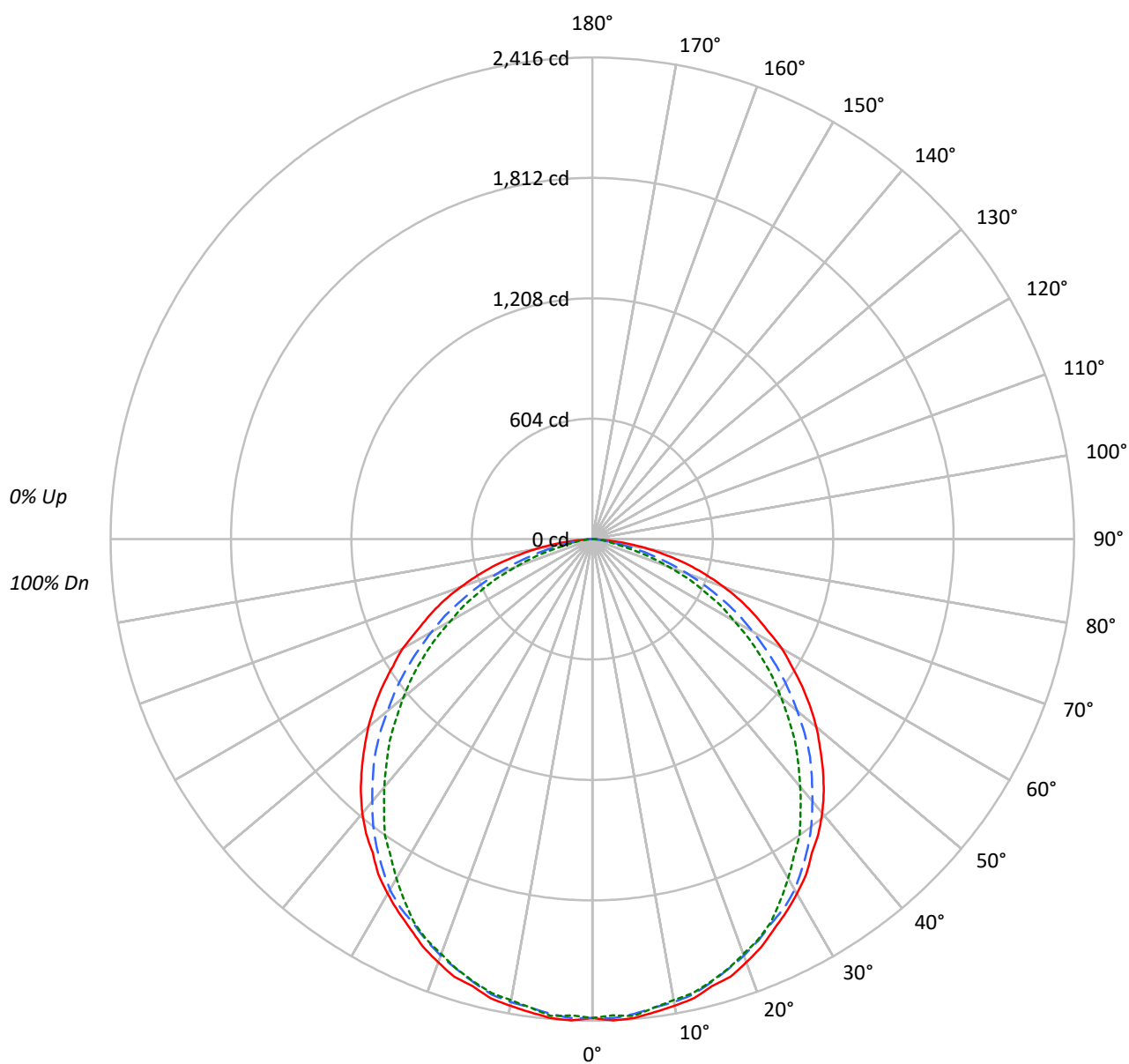
Lumens per Lamp: N/A
Luminaire Lumens: 6398.5 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050493

CATALOG NUMBER: 24PTR-60-L840-UNV-STD-W

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3232	3232	3232
5°	3256	3229	3242
10°	3247	3221	3208
15°	3232	3207	3201
20°	3235	3183	3171
25°	3203	3156	3146
30°	3190	3154	3052
35°	3154	3097	2977
40°	3151	3015	2850
45°	3112	2937	2736
50°	3070	2806	2587
55°	3010	2675	2430
60°	2957	2502	2206
65°	2856	2296	1972
70°	2764	1998	1610
75°	2596	1577	1108
80°	2250	953	665
85°	1502	685	641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3112 cd/sqm

TEST NUMBER: P1050493

CATALOG NUMBER: 24PTR-60-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.7	3.6
10°-20°	651.6	10.2
20°-30°	984.2	15.4
30°-40°	1170.2	18.3
40°-50°	1186.8	18.5
50°-60°	1030.6	16.1
60°-70°	731.6	11.4
70°-80°	349.6	5.5
80°-90°	66.3	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°	1863.5	29.1
0°-40°	3033.6	47.4
0°-60°	5251.0	82.1
0°-90°	6398.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6398.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2402	2402	2402	2402	2402	
5°	2411	2402	2391	2396	2401	229
15°	2321	2326	2302	2299	2298	657
25°	2158	2155	2126	2135	2119	996
35°	1920	1917	1886	1821	1813	1206
45°	1635	1621	1544	1462	1438	1261
55°	1283	1245	1140	1073	1036	1147
65°	897	830	721	644	620	889
75°	499	408	303	240	213	524
85°	97	52	44	43	42	123
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-60-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2402.1	2402.1	2402.1	2402.1	2402.1
2.5°	2416.4	2407.8	2405.0	2415.0	2390.7
5°	2410.7	2402.1	2390.7	2396.4	2400.7
7.5°	2393.5	2386.4	2370.6	2383.5	2370.6
10°	2376.4	2369.2	2357.8	2362.1	2347.8
12.5°	2359.2	2342.0	2339.2	2342.0	2332.0
15°	2320.6	2326.3	2302.0	2299.1	2297.7
17.5°	2302.0	2287.7	2261.9	2263.3	2260.5
20°	2259.1	2241.9	2223.3	2220.4	2214.7
22.5°	2214.7	2194.7	2177.5	2186.1	2173.2
25°	2157.5	2154.6	2126.0	2134.6	2118.8
27.5°	2107.4	2097.4	2084.5	2065.9	2043.0
30°	2053.0	2043.0	2030.1	1981.5	1964.3
32.5°	1995.8	1984.4	1958.6	1901.4	1882.8
35°	1920.0	1917.1	1885.6	1821.3	1812.7
37.5°	1862.8	1831.3	1805.5	1739.7	1715.4
40°	1794.1	1776.9	1716.8	1653.9	1622.4
42.5°	1718.3	1698.2	1629.5	1562.3	1528.0
45°	1635.3	1621.0	1543.7	1462.2	1437.8
47.5°	1549.4	1536.6	1445.0	1366.3	1334.8
50°	1466.5	1450.7	1340.6	1264.7	1236.1
52.5°	1376.3	1350.6	1241.8	1167.4	1140.3
55°	1283.3	1244.7	1140.3	1073.0	1035.8
57.5°	1184.6	1148.8	1033.0	962.9	932.8
60°	1098.8	1048.7	929.9	858.4	819.8
62.5°	988.6	945.7	832.7	748.2	729.6
65°	897.0	829.8	721.1	643.8	619.5
67.5°	804.0	725.4	615.2	536.5	523.6
70°	702.5	620.9	507.9	430.6	409.2
72.5°	599.5	519.3	409.2	327.6	314.8
75°	499.3	407.7	303.3	240.4	213.2
77.5°	390.6	307.6	213.2	147.4	130.2
80°	290.4	207.4	123.0	87.3	85.8
82.5°	190.3	120.2	65.8	67.2	64.4
85°	97.3	51.5	44.4	42.9	41.5
87.5°	18.6	20.0	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)