

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: P1051021

Luminaire Tested: 24PTR-60-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051021
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-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

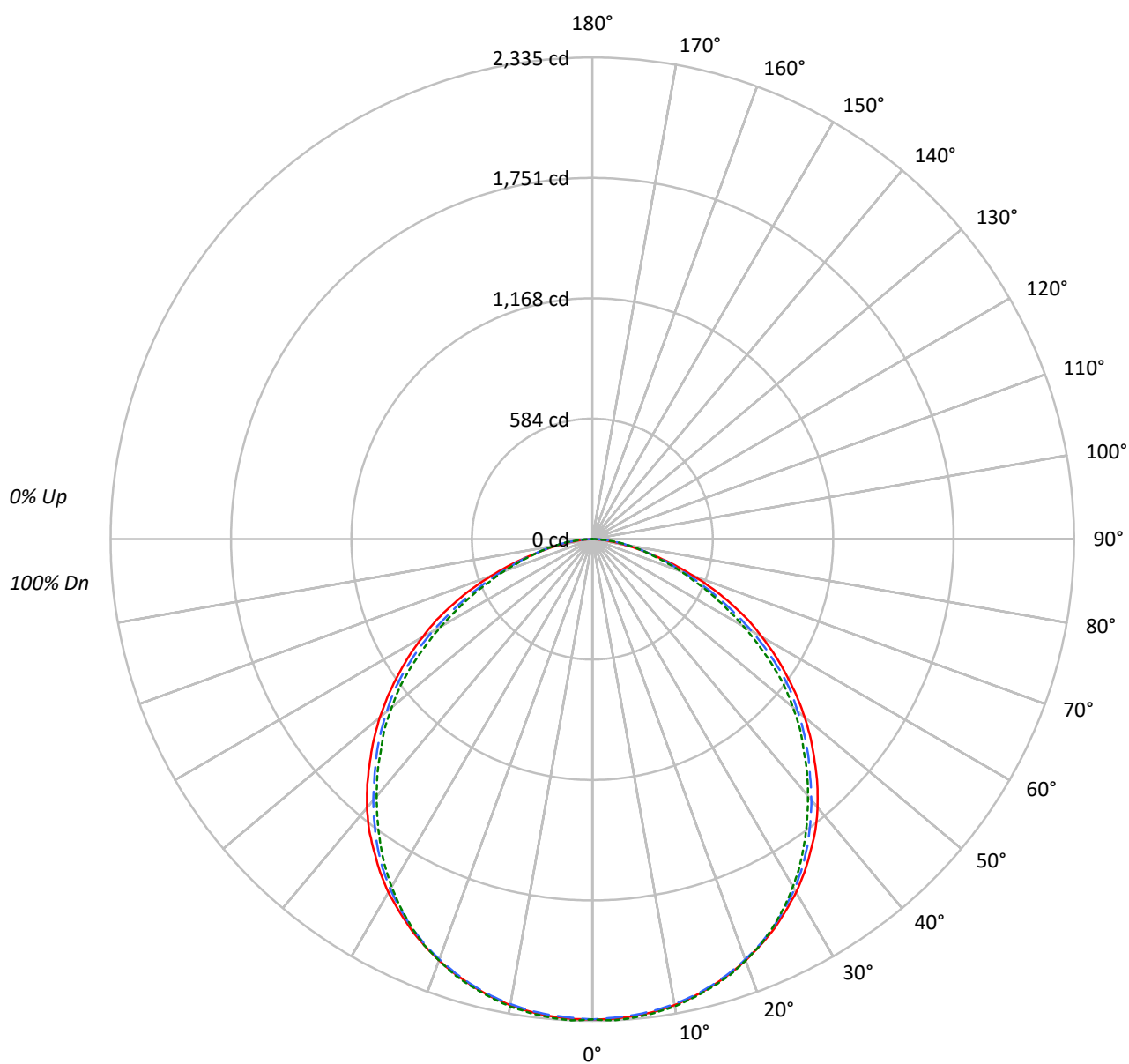
Lumens per Lamp: N/A
Luminaire Lumens: 6178.9 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3133	3133	3133
5°	3135	3129	3145
10°	3134	3127	3143
15°	3124	3120	3131
20°	3112	3104	3112
25°	3094	3081	3079
30°	3071	3044	3023
35°	3030	2984	2946
40°	2983	2902	2856
45°	2901	2815	2758
50°	2813	2721	2658
55°	2696	2605	2501
60°	2556	2405	2280
65°	2365	2148	2041
70°	2050	1870	1799
75°	1636	1601	1556
80°	1244	1389	1389
85°	920	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	3.6
10°-20°	633.3	10.2
20°-30°	957.2	15.5
30°-40°	1136.5	18.4
40°-50°	1145.0	18.5
50°-60°	989.7	16.0
60°-70°	676.4	10.9
70°-80°	333.6	5.4
80°-90°	86.3	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°	1811.3	29.3
0°-40°	2947.8	47.7
0°-60°	5082.6	82.3
0°-90°	6178.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6178.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2328	2328	2328	2328	2328	
5°	2321	2322	2316	2326	2328	221
15°	2243	2246	2240	2247	2248	633
25°	2084	2082	2076	2078	2074	960
35°	1845	1838	1817	1800	1794	1155
45°	1524	1508	1479	1462	1449	1177
55°	1149	1146	1110	1078	1066	1028
65°	743	716	675	645	641	733
75°	315	312	308	308	299	343
85°	60	70	77	78	77	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2328.3	2328.3	2328.3	2328.3	2328.3
2.5°	2327.7	2328.3	2322.4	2332.7	2335.2
5°	2321.4	2322.4	2316.4	2325.8	2328.3
7.5°	2310.4	2312.0	2305.1	2314.5	2316.4
10°	2293.8	2294.8	2288.8	2298.2	2300.1
12.5°	2271.6	2272.2	2267.2	2275.6	2275.6
15°	2243.0	2245.6	2239.6	2247.4	2248.1
17.5°	2211.1	2212.0	2206.1	2214.5	2216.4
20°	2173.1	2173.1	2168.1	2175.0	2173.1
22.5°	2130.8	2130.8	2124.9	2128.3	2129.9
25°	2084.4	2082.5	2075.6	2077.5	2074.1
27.5°	2030.8	2030.8	2018.6	2018.6	2012.6
30°	1976.6	1972.2	1959.3	1951.5	1945.5
32.5°	1914.2	1908.2	1891.9	1878.1	1873.7
35°	1844.6	1838.3	1816.7	1800.4	1793.5
37.5°	1777.2	1763.4	1734.9	1718.6	1710.7
40°	1698.5	1681.3	1652.1	1629.5	1626.1
42.5°	1614.2	1600.4	1562.4	1545.8	1541.8
45°	1524.5	1507.9	1479.4	1462.1	1449.3
47.5°	1436.4	1424.2	1391.6	1370.9	1366.5
50°	1343.9	1333.6	1300.1	1277.8	1270.0
52.5°	1248.3	1241.4	1212.9	1184.4	1175.0
55°	1149.3	1145.8	1110.4	1077.5	1066.2
57.5°	1051.8	1047.4	1003.2	965.2	954.9
60°	949.9	937.0	893.8	858.3	847.1
62.5°	853.3	825.7	779.0	751.4	738.6
65°	742.7	716.0	674.6	645.2	641.1
67.5°	634.2	602.2	570.2	552.1	538.3
70°	521.0	499.4	475.3	459.9	457.4
72.5°	415.7	400.3	388.1	378.7	370.9
75°	314.7	312.2	307.9	307.9	299.4
77.5°	231.4	237.3	240.8	239.8	241.7
80°	160.5	172.4	179.3	180.3	179.3
82.5°	101.9	115.7	127.0	128.5	130.4
85°	59.6	69.9	76.8	78.4	76.8
87.5°	26.6	33.5	35.4	37.0	35.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)