

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: P1050484

Luminaire Tested: 24PTR-80-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050484
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-80-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

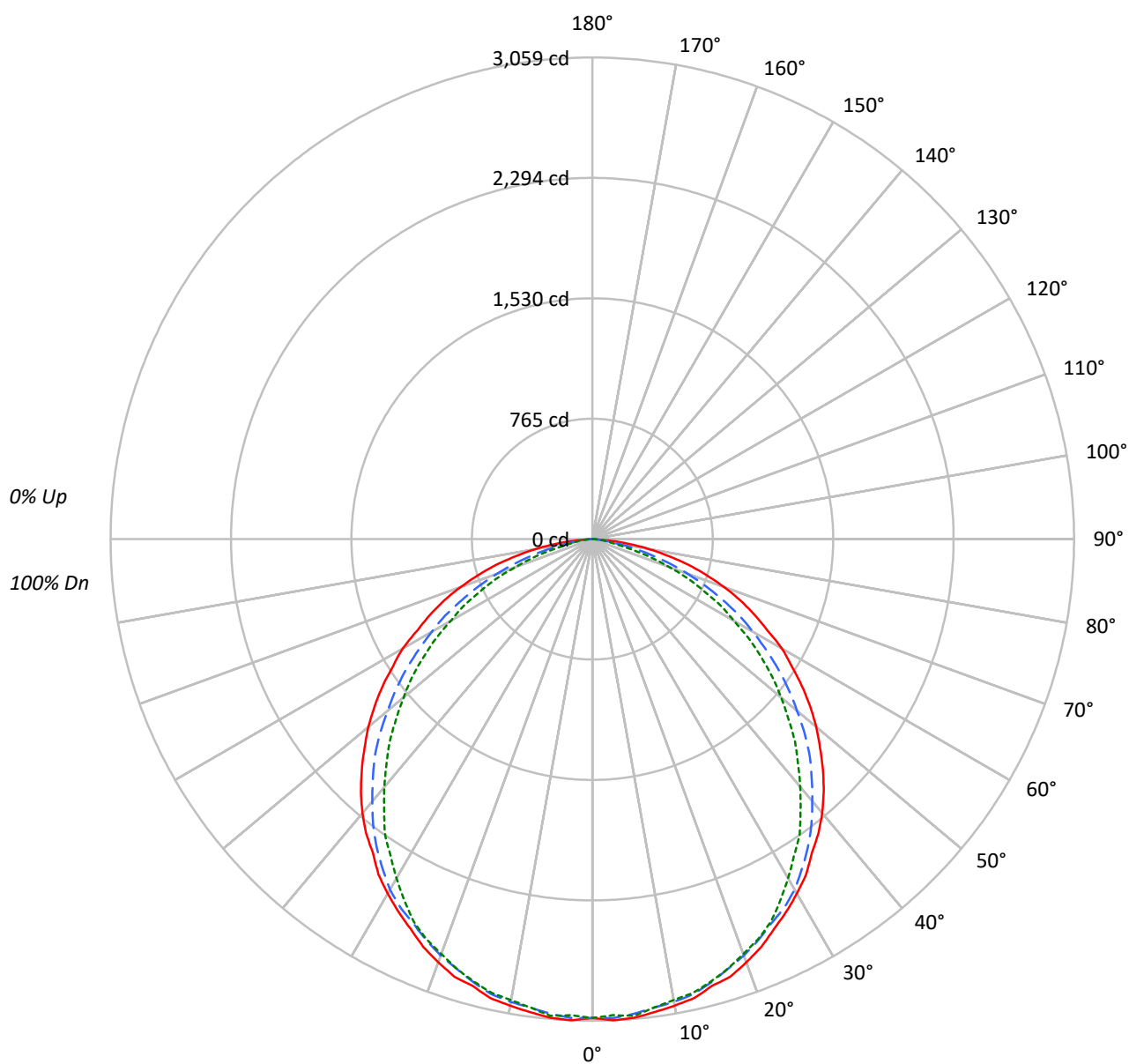
Lumens per Lamp: N/A
Luminaire Lumens: 8099.2 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050484

CATALOG NUMBER: 24PTR-80-L835-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°	4091	4091	4091
5°	4121	4087	4104
10°	4110	4078	4060
15°	4092	4059	4051
20°	4094	4030	4014
25°	4054	3995	3982
30°	4038	3993	3863
35°	3992	3921	3769
40°	3989	3817	3607
45°	3939	3718	3463
50°	3886	3552	3275
55°	3810	3386	3076
60°	3743	3168	2792
65°	3615	2906	2497
70°	3498	2529	2037
75°	3285	1996	1403
80°	2848	1206	842
85°	1900	866	810

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3939 cd/sqm

TEST NUMBER: P1050484

CATALOG NUMBER: 24PTR-80-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.2	3.6
10°-20°	824.8	10.2
20°-30°	1245.8	15.4
30°-40°	1481.2	18.3
40°-50°	1502.3	18.5
50°-60°	1304.5	16.1
60°-70°	926.1	11.4
70°-80°	442.5	5.5
80°-90°	83.9	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°	2358.8	29.1
0°-40°	3840.0	47.4
0°-60°	6646.8	82.1
0°-90°	8099.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8099.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3041	3041	3041	3041	3041	
5°	3052	3041	3026	3033	3039	290
15°	2937	2945	2914	2910	2908	832
25°	2731	2727	2691	2702	2682	1261
35°	2430	2427	2387	2305	2294	1527
45°	2070	2052	1954	1851	1820	1597
55°	1624	1576	1443	1358	1311	1452
65°	1136	1050	913	815	784	1125
75°	632	516	384	304	270	663
85°	123	65	56	54	52	155
90°	0	0	0	0	0	

TEST NUMBER: P1050484

CATALOG NUMBER: 24PTR-80-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3040.6	3040.6	3040.6	3040.6	3040.6
2.5°	3058.7	3047.9	3044.3	3056.9	3026.1
5°	3051.5	3040.6	3026.1	3033.4	3038.8
7.5°	3029.8	3020.7	3000.8	3017.1	3000.8
10°	3008.0	2999.0	2984.5	2989.9	2971.8
12.5°	2986.3	2964.6	2960.9	2964.6	2951.9
15°	2937.4	2944.6	2913.9	2910.2	2908.4
17.5°	2913.9	2895.8	2863.2	2865.0	2861.3
20°	2859.5	2837.8	2814.3	2810.6	2803.4
22.5°	2803.4	2778.0	2756.3	2767.2	2750.9
25°	2731.0	2727.3	2691.1	2702.0	2682.1
27.5°	2667.6	2654.9	2638.6	2615.0	2586.1
30°	2598.8	2586.1	2569.8	2508.2	2486.5
32.5°	2526.3	2511.8	2479.2	2406.8	2383.2
35°	2430.3	2426.7	2386.9	2305.4	2294.5
37.5°	2357.9	2318.0	2285.5	2202.1	2171.4
40°	2271.0	2249.2	2173.2	2093.5	2053.6
42.5°	2175.0	2149.6	2062.7	1977.6	1934.1
45°	2069.9	2051.8	1954.0	1850.8	1820.0
47.5°	1961.3	1945.0	1829.1	1729.5	1689.6
50°	1856.3	1836.3	1696.9	1600.9	1564.7
52.5°	1742.2	1709.6	1571.9	1477.8	1443.3
55°	1624.4	1575.5	1443.3	1358.2	1311.1
57.5°	1499.5	1454.2	1307.5	1218.8	1180.8
60°	1390.8	1327.4	1177.1	1086.6	1037.7
62.5°	1251.4	1197.1	1054.0	947.1	923.6
65°	1135.5	1050.4	912.7	814.9	784.2
67.5°	1017.8	918.2	778.7	679.1	662.8
70°	889.2	786.0	642.9	545.1	517.9
72.5°	758.8	657.4	517.9	414.7	398.4
75°	632.0	516.1	383.9	304.2	269.8
77.5°	494.4	389.4	269.8	186.5	164.8
80°	367.6	262.6	155.7	110.5	108.7
82.5°	240.9	152.1	83.3	85.1	81.5
85°	123.1	65.2	56.1	54.3	52.5
87.5°	23.5	25.4	27.2	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)