

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: P1050869

Luminaire Tested: 24PTR-80-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PP3-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

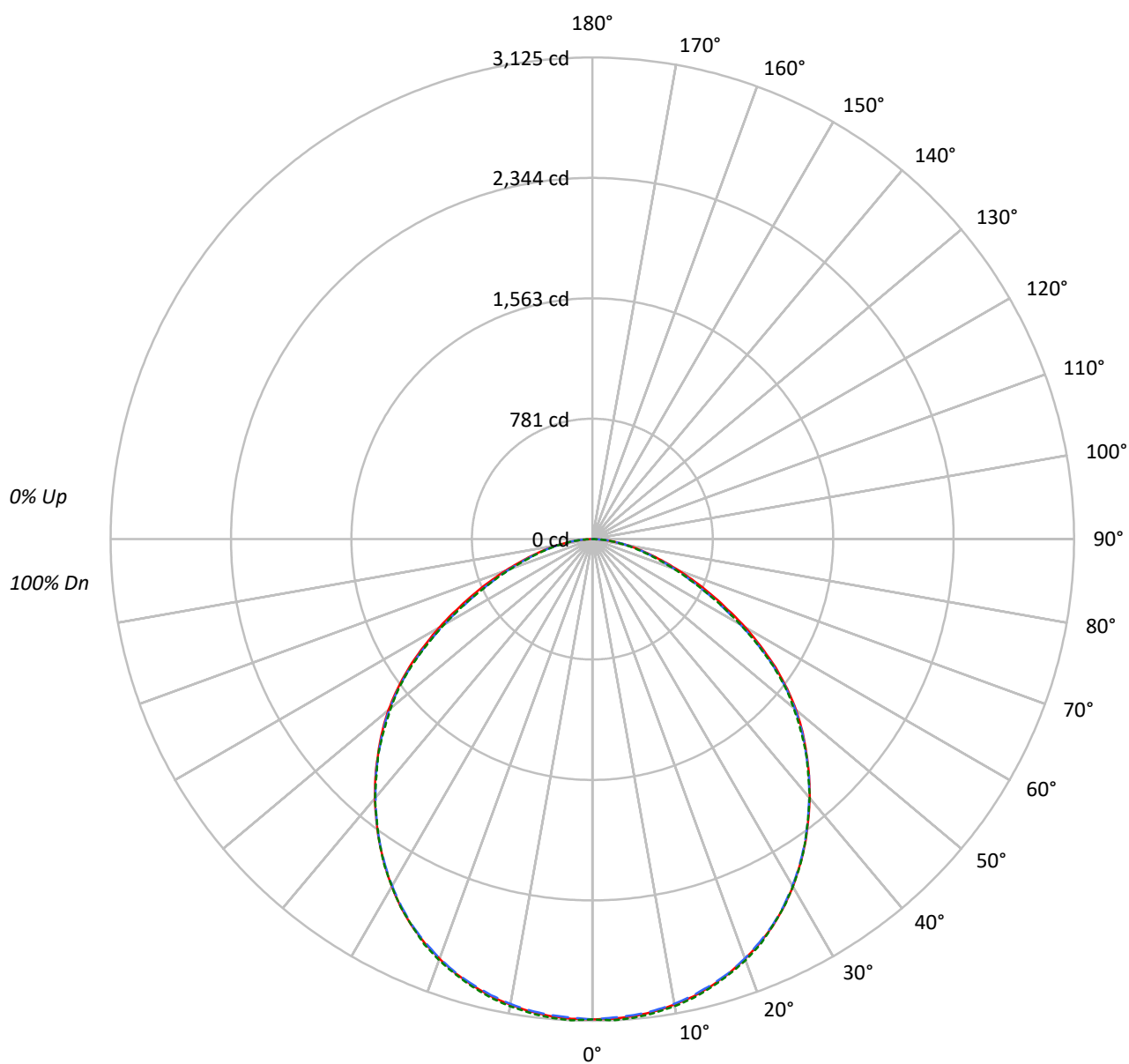
Lumens per Lamp: N/A
Luminaire Lumens: 8050.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050869

CATALOG NUMBER: 24PTR-80-PP3-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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4192	4192	4192
5°	4196	4186	4209
10°	4190	4184	4204
15°	4176	4168	4187
20°	4149	4145	4163
25°	4112	4105	4110
30°	4043	4034	4043
35°	3955	3949	3953
40°	3853	3841	3851
45°	3737	3727	3731
50°	3613	3596	3570
55°	3401	3361	3351
60°	3086	2982	2988
65°	2711	2575	2571
70°	2344	2237	2211
75°	2027	1953	1910
80°	1796	1771	1691
85°	1485	1535	1447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3751 cd/sqm

TEST NUMBER: P1050869

CATALOG NUMBER: 24PTR-80-PP3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.5	3.7
10°-20°	846.5	10.5
20°-30°	1274.4	15.8
30°-40°	1504.1	18.7
40°-50°	1512.7	18.8
50°-60°	1277.1	15.9
60°-70°	820.1	10.2
70°-80°	407.9	5.1
80°-90°	111.8	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°	2416.3	30.0
0°-40°	3920.4	48.7
0°-60°	6710.2	83.4
0°-90°	8050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8050.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3116	3116	3116	3116	3116	
5°	3107	3107	3100	3114	3116	295
15°	2998	2999	2992	3006	3006	846
25°	2770	2770	2765	2770	2768	1274
35°	2408	2409	2404	2406	2406	1505
45°	1964	1971	1958	1961	1961	1516
55°	1450	1448	1433	1427	1428	1290
65°	851	839	809	800	808	849
75°	390	388	376	372	367	422
85°	96	99	99	94	94	113
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-80-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3115.6	3115.6	3115.6	3115.6	3115.6
2.5°	3114.4	3115.6	3107.4	3122.2	3124.7
5°	3106.6	3107.4	3099.6	3114.4	3116.5
7.5°	3090.6	3091.8	3084.8	3098.4	3100.8
10°	3066.7	3070.4	3062.2	3075.0	3077.0
12.5°	3037.6	3038.8	3030.6	3045.4	3047.8
15°	2998.1	2998.9	2992.4	3005.9	3005.9
17.5°	2952.5	2953.7	2949.2	2960.7	2959.5
20°	2897.4	2900.7	2895.0	2902.8	2907.3
22.5°	2837.4	2838.7	2831.7	2842.0	2846.5
25°	2769.6	2770.5	2765.1	2770.5	2768.4
27.5°	2690.3	2692.4	2684.6	2690.3	2691.6
30°	2602.0	2607.7	2596.6	2601.2	2602.0
32.5°	2507.1	2510.3	2502.5	2503.8	2509.5
35°	2407.6	2408.8	2404.3	2406.4	2406.4
37.5°	2300.4	2304.9	2297.9	2301.2	2296.7
40°	2193.9	2189.4	2186.9	2189.4	2192.7
42.5°	2081.7	2083.0	2079.7	2077.2	2071.9
45°	1964.2	1971.2	1958.5	1960.9	1960.9
47.5°	1849.2	1850.0	1843.4	1836.4	1831.9
50°	1725.9	1725.9	1717.7	1712.3	1705.3
52.5°	1591.1	1589.0	1580.0	1574.3	1577.5
55°	1449.7	1448.5	1432.9	1427.1	1428.4
57.5°	1294.8	1297.3	1273.5	1267.7	1267.7
60°	1146.9	1135.4	1108.3	1100.5	1110.3
62.5°	991.6	978.0	948.8	948.8	956.6
65°	851.4	839.1	808.7	800.5	807.5
67.5°	720.4	708.8	680.9	676.4	678.4
70°	595.8	586.0	568.7	558.4	562.1
72.5°	488.6	479.5	468.0	460.2	455.7
75°	390.0	387.9	375.6	371.9	367.4
77.5°	308.6	307.8	297.5	293.0	288.5
80°	231.8	230.5	228.5	221.5	218.2
82.5°	165.2	165.2	164.0	158.2	154.9
85°	96.2	99.4	99.4	93.7	93.7
87.5°	38.6	40.7	38.6	38.6	37.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)