

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: P1050559

Luminaire Tested: 24PTR-60-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PB1-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

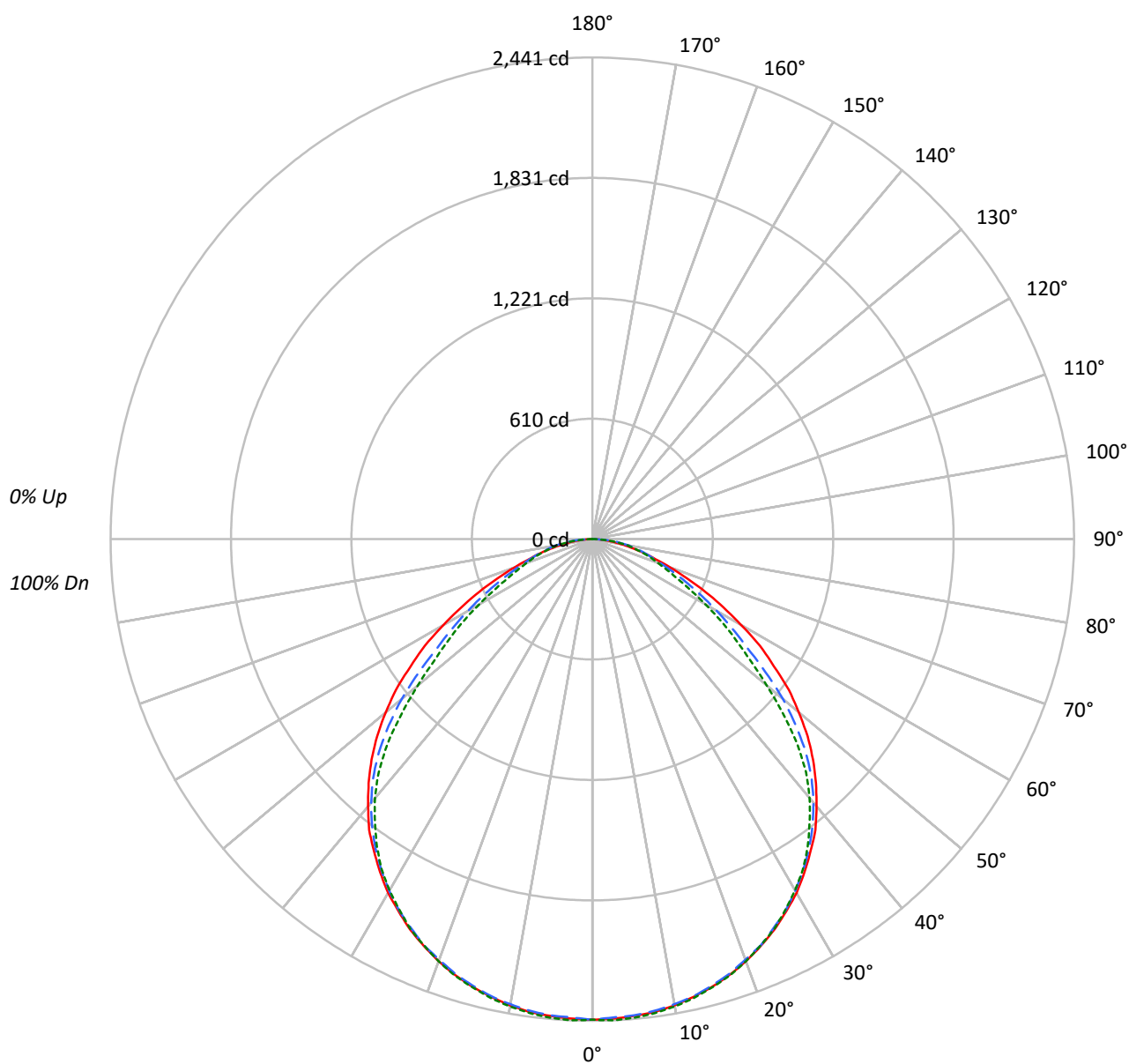
Lumens per Lamp: N/A
Luminaire Lumens: 6072.2 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3277	3277	3277
5°	3277	3273	3289
10°	3278	3270	3286
15°	3271	3263	3275
20°	3259	3247	3259
25°	3242	3228	3237
30°	3216	3197	3192
35°	3168	3144	3124
40°	3104	3062	3009
45°	3009	2912	2793
50°	2859	2640	2414
55°	2635	2242	2080
60°	2346	1959	1781
65°	2012	1698	1517
70°	1661	1497	1391
75°	1401	1432	1355
80°	1184	1462	1394
85°	928	1480	1297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	3.8
10°-20°	662.5	10.9
20°-30°	1003.6	16.5
30°-40°	1195.9	19.7
40°-50°	1169.4	19.3
50°-60°	884.5	14.6
60°-70°	543.4	8.9
70°-80°	289.5	4.8
80°-90°	92.4	1.5
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°	1897.0	31.2
0°-40°	3092.9	50.9
0°-60°	5146.9	84.8
0°-90°	6072.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6072.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2435	2435	2435	2435	2435	
5°	2426	2429	2423	2432	2435	231
15°	2348	2351	2342	2351	2351	663
25°	2184	2180	2174	2178	2180	1006
35°	1929	1926	1914	1905	1902	1207
45°	1581	1573	1530	1480	1468	1216
55°	1123	1066	956	902	886	1006
65°	632	581	533	491	476	629
75°	270	273	276	267	261	289
85°	60	78	96	90	84	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2435.2	2435.2	2435.2	2435.2	2435.2
2.5°	2432.3	2435.2	2426.0	2438.3	2441.1
5°	2426.0	2429.2	2423.2	2432.3	2435.2
7.5°	2417.2	2417.2	2411.3	2420.1	2423.2
10°	2399.3	2399.3	2393.3	2402.1	2405.3
12.5°	2375.4	2375.4	2372.3	2378.2	2381.4
15°	2348.4	2351.2	2342.4	2351.2	2351.2
17.5°	2315.4	2312.5	2309.4	2315.4	2318.5
20°	2276.4	2276.4	2267.6	2273.5	2276.4
22.5°	2231.4	2231.4	2228.6	2231.4	2228.6
25°	2183.6	2180.5	2174.5	2177.6	2180.5
27.5°	2126.7	2126.7	2120.7	2120.7	2117.6
30°	2069.8	2066.6	2057.8	2051.8	2054.7
32.5°	2000.9	1997.8	1988.9	1983.0	1985.8
35°	1928.9	1926.1	1914.1	1905.0	1902.2
37.5°	1857.2	1848.1	1833.0	1821.0	1809.1
40°	1767.3	1758.1	1743.4	1716.3	1713.2
42.5°	1677.3	1668.5	1644.3	1611.6	1602.5
45°	1581.4	1572.6	1530.5	1479.5	1467.6
47.5°	1479.5	1464.7	1398.7	1335.8	1311.9
50°	1366.0	1339.0	1261.0	1180.2	1153.1
52.5°	1255.0	1207.2	1105.3	1033.3	1006.6
55°	1123.2	1066.3	955.6	901.6	886.5
57.5°	1006.6	928.6	838.7	784.9	772.9
60°	871.7	799.7	728.0	679.9	661.9
62.5°	748.7	685.8	626.1	583.9	563.2
65°	632.1	581.1	533.3	491.2	476.4
67.5°	518.2	491.2	452.2	419.5	410.4
70°	422.3	407.2	380.5	365.4	353.5
72.5°	335.5	341.5	323.6	317.6	308.5
75°	269.5	272.6	275.5	266.7	260.7
77.5°	203.8	218.5	230.5	224.5	218.5
80°	152.8	167.6	188.7	179.9	179.9
82.5°	104.7	123.0	140.9	134.9	131.8
85°	60.1	78.0	95.9	89.9	84.0
87.5°	23.9	39.0	41.8	41.8	39.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)