

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: P1471842

Luminaire Tested: 24PTR-65S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PB1-L835-UNV-STD-W
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

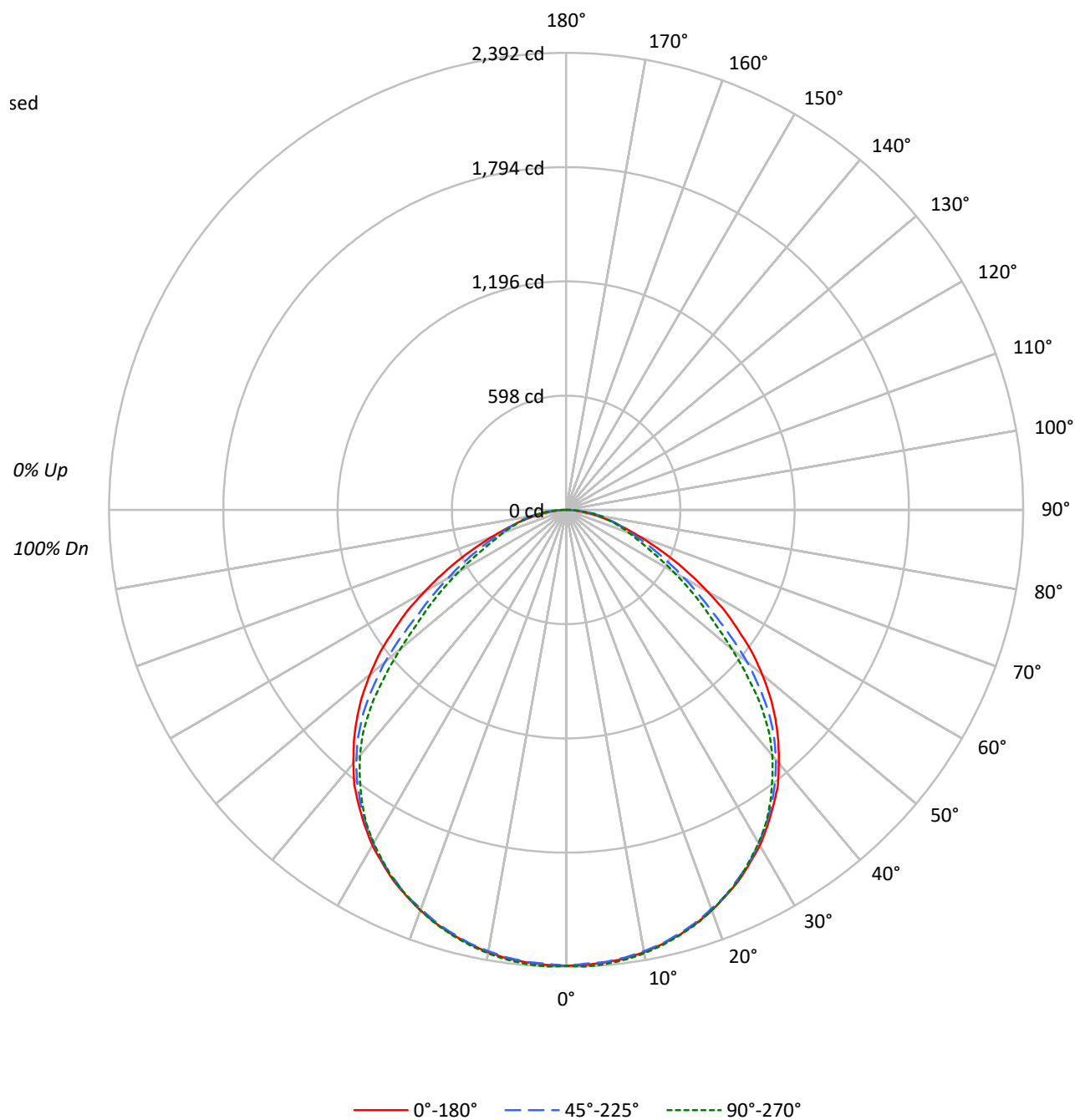
Lumens per Lamp: N/A
Luminaire Lumens: 5949.4 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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					0
RW	70	50	30	10	70	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°	3210	3210	3210
5°	3210	3207	3222
10°	3212	3204	3220
15°	3205	3197	3209
20°	3193	3181	3193
25°	3176	3163	3172
30°	3151	3132	3128
35°	3104	3080	3061
40°	3041	3000	2948
45°	2948	2853	2736
50°	2802	2586	2365
55°	2582	2196	2037
60°	2298	1919	1745
65°	1972	1663	1486
70°	1628	1467	1362
75°	1372	1403	1328
80°	1160	1433	1365
85°	908	1451	1271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.8
10°-20°	649.1	10.9
20°-30°	983.3	16.5
30°-40°	1171.7	19.7
40°-50°	1145.8	19.3
50°-60°	866.6	14.6
60°-70°	532.4	8.9
70°-80°	283.7	4.8
80°-90°	90.5	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°	1858.7	31.2
0°-40°	3030.3	50.9
0°-60°	5042.7	84.8
0°-90°	5949.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5949.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2386	2386	2386	2386	2386	
5°	2377	2380	2374	2383	2386	226
15°	2301	2304	2295	2304	2304	649
25°	2139	2136	2130	2134	2136	985
35°	1890	1887	1875	1866	1864	1182
45°	1549	1541	1500	1450	1438	1192
55°	1100	1045	936	883	868	986
65°	619	569	522	481	467	616
75°	264	267	270	261	255	283
85°	59	76	94	88	82	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2385.9	2385.9	2385.9	2385.9	2385.9
2.5°	2383.1	2385.9	2377.0	2389.0	2391.8
5°	2377.0	2380.0	2374.2	2383.1	2385.9
7.5°	2368.3	2368.3	2362.5	2371.1	2374.2
10°	2350.8	2350.8	2344.9	2353.6	2356.6
12.5°	2327.4	2327.4	2324.3	2330.1	2333.2
15°	2300.9	2303.6	2295.0	2303.6	2303.6
17.5°	2268.5	2265.7	2262.7	2268.5	2271.6
20°	2230.3	2230.3	2221.7	2227.5	2230.3
22.5°	2186.3	2186.3	2183.5	2186.3	2183.5
25°	2139.4	2136.3	2130.5	2133.6	2136.3
27.5°	2083.7	2083.7	2077.8	2077.8	2074.7
30°	2027.9	2024.8	2016.2	2010.3	2013.1
32.5°	1960.4	1957.3	1948.7	1942.9	1945.6
35°	1889.9	1887.1	1875.4	1866.5	1863.7
37.5°	1819.6	1810.7	1795.9	1784.2	1772.5
40°	1731.5	1722.6	1708.1	1681.6	1678.5
42.5°	1643.4	1634.8	1611.0	1579.0	1570.1
45°	1549.4	1540.8	1499.5	1449.6	1437.9
47.5°	1449.6	1435.1	1370.4	1308.8	1285.4
50°	1338.4	1311.9	1235.5	1156.3	1129.8
52.5°	1229.6	1182.8	1083.0	1012.4	986.2
55°	1100.5	1044.8	936.3	883.3	868.5
57.5°	986.2	909.8	821.7	769.0	757.3
60°	854.0	783.5	713.2	666.1	648.5
62.5°	733.6	672.0	613.4	572.1	551.8
65°	619.3	569.4	522.5	481.2	466.8
67.5°	507.7	481.2	443.0	411.0	402.1
70°	413.8	399.0	372.8	358.0	346.3
72.5°	328.7	334.6	317.0	311.2	302.2
75°	264.0	267.1	269.9	261.3	255.4
77.5°	199.6	214.1	225.8	220.0	214.1
80°	149.7	164.2	184.9	176.2	176.2
82.5°	102.6	120.5	138.0	132.2	129.1
85°	58.8	76.4	94.0	88.1	82.3
87.5°	23.4	38.2	41.0	41.0	38.2
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.9	16.5	15.3	16.8	17.1	13.7	15.2	14.0	15.5	15.8
	3H	16.2	17.6	16.6	17.9	18.3	14.9	16.3	15.3	16.6	17.0
	4H	16.6	17.9	17.0	18.3	18.6	15.5	16.8	15.9	17.1	17.5
	6H	16.9	18.1	17.3	18.5	18.8	16.0	17.2	16.4	17.5	17.9
	8H	17.0	18.1	17.4	18.5	18.9	16.2	17.3	16.6	17.7	18.1
	12H	17.0	18.1	17.4	18.5	18.9	16.3	17.4	16.7	17.8	18.2
4H	2H	15.3	16.6	15.7	16.9	17.3	14.2	15.5	14.6	15.8	16.2
	3H	16.7	17.8	17.1	18.2	18.6	15.7	16.8	16.1	17.2	17.6
	4H	17.3	18.2	17.7	18.7	19.1	16.4	17.3	16.8	17.8	18.2
	6H	17.7	18.5	18.1	19.0	19.4	17.0	17.9	17.5	18.3	18.8
	8H	17.8	18.6	18.3	19.1	19.5	17.3	18.1	17.7	18.5	19.0
	12H	17.9	18.6	18.4	19.1	19.6	17.5	18.2	17.9	18.7	19.1
8H	4H	17.5	18.3	17.9	18.7	19.2	16.7	17.5	17.1	17.9	18.4
	6H	18.0	18.7	18.5	19.2	19.6	17.5	18.1	18.0	18.6	19.1
	8H	18.2	18.8	18.7	19.3	19.8	17.8	18.4	18.3	18.9	19.4
	12H	18.4	18.9	18.9	19.4	20.0	18.1	18.6	18.6	19.1	19.7
12H	4H	17.5	18.2	18.0	18.7	19.2	16.7	17.4	17.2	17.9	18.4
	6H	18.1	18.7	18.6	19.1	19.7	17.5	18.1	18.1	18.6	19.1
	8H	18.3	18.9	18.9	19.4	19.9	17.9	18.5	18.5	19.0	19.5

(END OF REPORT)