

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: P1471841

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471841
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-B
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

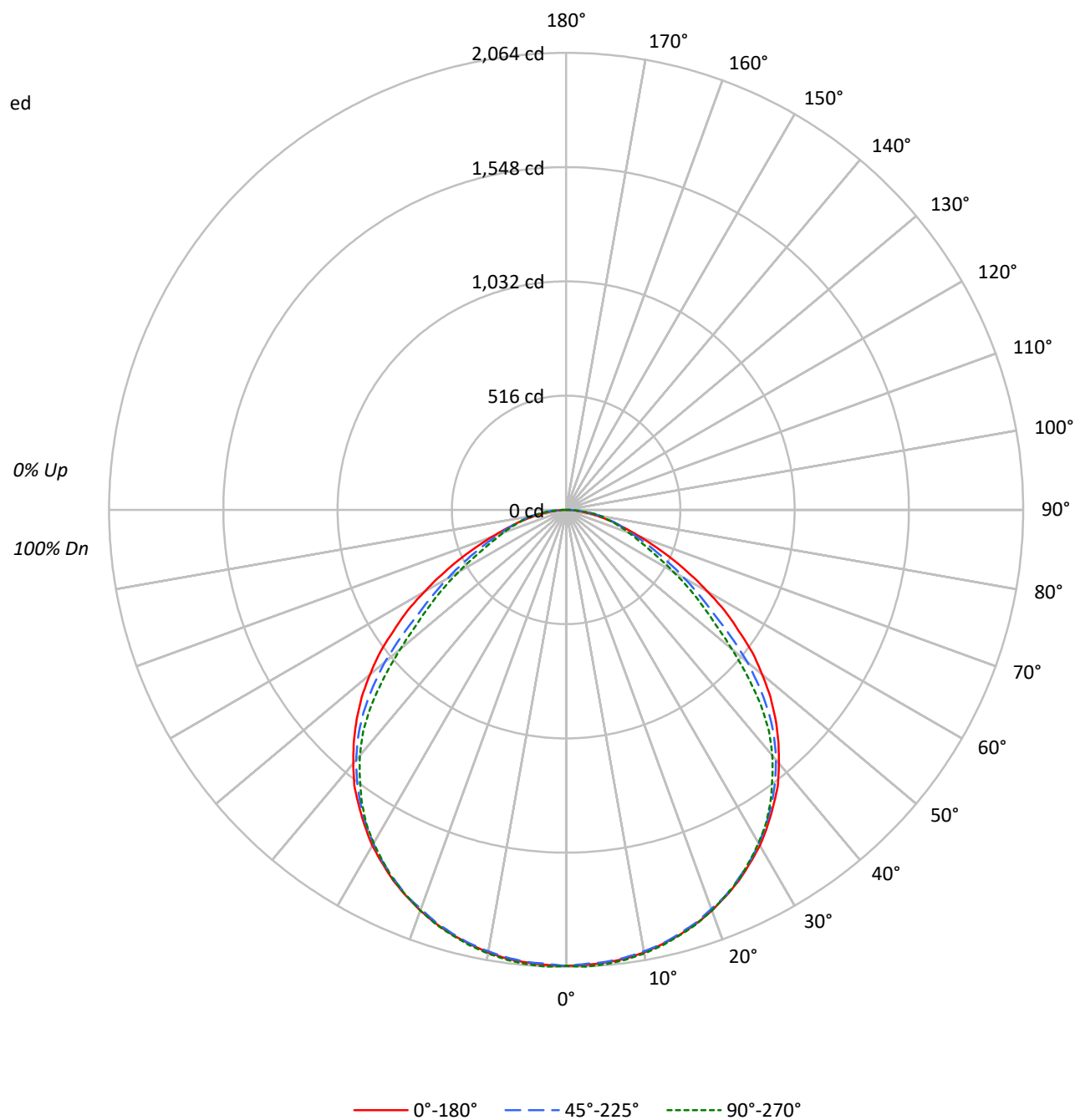
Lumens per Lamp: N/A
Luminaire Lumens: 5135.3 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	93	90			91
2	100	93	86	81	98	91	85	80		87	83	78			84	80	77			81
3	92	82	75	69	90	81	74	68		78	72	67			75	70	66			73
4	85	73	65	59	83	72	64	58		70	63	58			67	62	57			65
5	78	66	57	51	76	65	57	51		63	56	50			61	55	50			59
6	72	60	51	45	71	59	51	45		57	50	44			55	49	44			54
7	67	54	46	40	66	53	45	40		52	45	39			51	44	39			49
8	63	50	41	36	61	49	41	36		48	41	35			46	40	35			45
9	59	46	38	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	42	34	29		41	34	29			40	33	29			39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2771	2771	2771
5°	2771	2768	2781
10°	2772	2765	2779
15°	2766	2759	2770
20°	2756	2746	2756
25°	2742	2730	2738
30°	2719	2704	2700
35°	2679	2659	2642
40°	2625	2590	2545
45°	2545	2463	2362
50°	2418	2232	2041
55°	2228	1896	1759
60°	1984	1657	1506
65°	1702	1436	1283
70°	1405	1266	1176
75°	1185	1211	1146
80°	1001	1237	1179
85°	784	1252	1096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	3.8
10°-20°	560.3	10.9
20°-30°	848.7	16.5
30°-40°	1011.3	19.7
40°-50°	989.0	19.3
50°-60°	748.1	14.6
60°-70°	459.6	8.9
70°-80°	244.8	4.8
80°-90°	78.1	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°	1604.3	31.2
0°-40°	2615.7	50.9
0°-60°	4352.7	84.8
0°-90°	5135.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5135.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2059	2059	2059	2059	2059	
5°	2052	2054	2049	2057	2059	195
15°	1986	1988	1981	1988	1988	560
25°	1847	1844	1839	1842	1844	850
35°	1631	1629	1619	1611	1609	1020
45°	1337	1330	1294	1251	1241	1029
55°	950	902	808	762	750	851
65°	534	492	451	415	403	532
75°	228	231	233	226	220	244
85°	51	66	81	76	71	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2059.4	2059.4	2059.4	2059.4	2059.4
2.5°	2057.0	2059.4	2051.7	2062.1	2064.5
5°	2051.7	2054.4	2049.3	2057.0	2059.4
7.5°	2044.3	2044.3	2039.2	2046.6	2049.3
10°	2029.1	2029.1	2024.0	2031.5	2034.1
12.5°	2008.9	2008.9	2006.2	2011.3	2013.9
15°	1986.0	1988.4	1981.0	1988.4	1988.4
17.5°	1958.1	1955.7	1953.0	1958.1	1960.7
20°	1925.1	1925.1	1917.7	1922.7	1925.1
22.5°	1887.1	1887.1	1884.7	1887.1	1884.7
25°	1846.7	1844.0	1838.9	1841.6	1844.0
27.5°	1798.5	1798.5	1793.5	1793.5	1790.8
30°	1750.4	1747.7	1740.3	1735.2	1737.6
32.5°	1692.2	1689.5	1682.0	1677.0	1679.4
35°	1631.3	1628.9	1618.8	1611.0	1608.6
37.5°	1570.6	1562.9	1550.1	1540.0	1529.9
40°	1494.6	1486.8	1474.4	1451.5	1448.8
42.5°	1418.5	1411.1	1390.6	1362.9	1355.2
45°	1337.4	1329.9	1294.3	1251.2	1241.1
47.5°	1251.2	1238.7	1182.9	1129.7	1109.5
50°	1155.2	1132.4	1066.4	998.1	975.2
52.5°	1061.4	1020.9	934.8	873.9	851.3
55°	949.9	901.8	808.2	762.4	749.7
57.5°	851.3	785.3	709.3	663.8	653.7
60°	737.2	676.3	615.6	575.0	559.8
62.5°	633.2	580.0	529.5	493.8	476.3
65°	534.5	491.5	451.0	415.4	402.9
67.5°	438.3	415.4	382.4	354.8	347.0
70°	357.2	344.4	321.8	309.0	298.9
72.5°	283.8	288.8	273.6	268.6	260.9
75°	227.9	230.6	233.0	225.5	220.5
77.5°	172.3	184.8	194.9	189.9	184.8
80°	129.2	141.7	159.6	152.1	152.1
82.5°	88.6	104.0	119.1	114.1	111.4
85°	50.8	66.0	81.1	76.1	71.0
87.5°	20.2	33.0	35.4	35.4	33.0
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	14.4	16.0	14.8	16.3	16.6	13.1	14.7	13.5	15.0	15.3
	3H	15.7	17.1	16.0	17.4	17.8	14.4	15.8	14.8	16.1	16.5
	4H	16.1	17.4	16.5	17.7	18.1	15.0	16.3	15.4	16.6	17.0
	6H	16.4	17.6	16.8	17.9	18.3	15.4	16.7	15.9	17.0	17.4
	8H	16.5	17.6	16.9	18.0	18.4	15.6	16.8	16.1	17.2	17.6
	12H	16.5	17.6	16.9	18.0	18.4	15.8	16.9	16.2	17.3	17.7
4H	2H	14.8	16.1	15.2	16.4	16.8	13.7	15.0	14.1	15.3	15.7
	3H	16.2	17.3	16.6	17.7	18.1	15.2	16.3	15.6	16.7	17.1
	4H	16.8	17.7	17.2	18.1	18.6	15.9	16.8	16.3	17.2	17.7
	6H	17.2	18.0	17.6	18.5	18.9	16.5	17.4	17.0	17.8	18.3
	8H	17.3	18.1	17.8	18.6	19.0	16.8	17.6	17.2	18.0	18.5
	12H	17.4	18.1	17.9	18.6	19.1	16.9	17.7	17.4	18.1	18.6
8H	4H	17.0	17.8	17.4	18.2	18.7	16.2	17.0	16.6	17.4	17.9
	6H	17.5	18.2	18.0	18.7	19.1	17.0	17.6	17.4	18.1	18.6
	8H	17.7	18.3	18.2	18.8	19.3	17.3	17.9	17.8	18.4	18.9
	12H	17.9	18.4	18.4	18.9	19.5	17.6	18.1	18.1	18.6	19.2
12H	4H	17.0	17.7	17.5	18.2	18.6	16.2	16.9	16.7	17.4	17.9
	6H	17.6	18.2	18.1	18.6	19.2	17.0	17.6	17.6	18.1	18.6
	8H	17.8	18.4	18.3	18.9	19.4	17.4	18.0	17.9	18.5	19.0

(END OF REPORT)