

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: P1471839

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-L835-UNV-STD-B
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

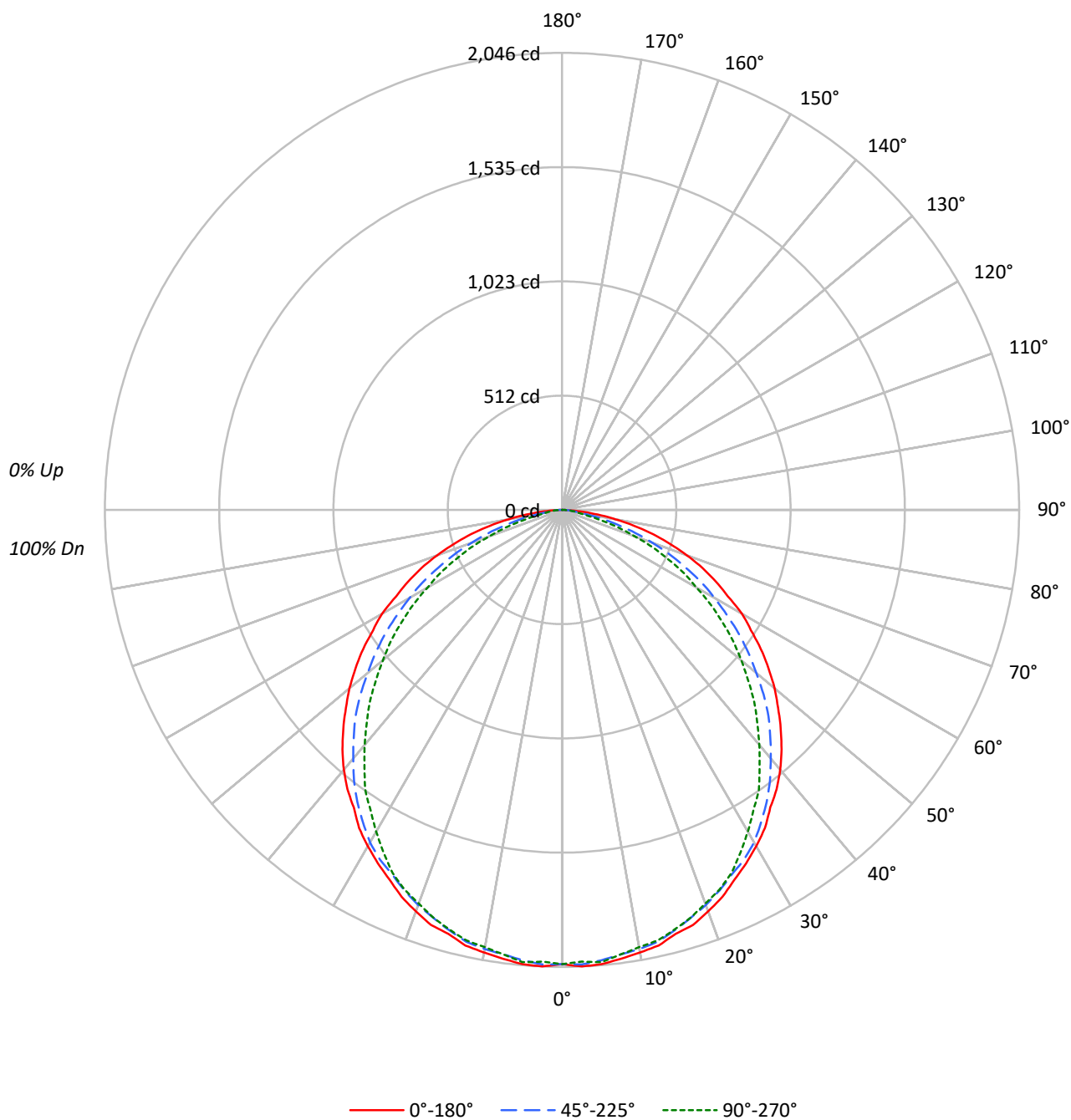
Lumens per Lamp: N/A
Luminaire Lumens: 5416.9 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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
1	109	105	101	97	107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80	97	90	84	79		87	81	77		83	79	75		80	77	74
3	91	81	73	67	89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57	81	71	63	56		68	61	56		66	60	55		64	58	54
5	77	64	56	49	75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43	69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38	64	52	44	38		50	43	38		49	42	37		48	42	37
8	61	48	40	34	60	47	39	34		46	39	34		45	38	33		44	38	33
9	57	44	36	31	56	44	36	30		42	35	30		41	35	30		40	34	30
10	54	41	33	28	53	40	33	28		39	32	28		38	32	27		37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2736	2736	2736
5°	2756	2734	2745
10°	2749	2727	2716
15°	2737	2715	2710
20°	2738	2695	2685
25°	2712	2672	2663
30°	2700	2670	2584
35°	2670	2622	2521
40°	2668	2553	2412
45°	2634	2487	2316
50°	2599	2376	2191
55°	2549	2264	2057
60°	2503	2119	1868
65°	2418	1944	1670
70°	2340	1692	1363
75°	2197	1335	938
80°	1905	807	563
85°	1272	579	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	3.6
10°-20°	551.6	10.2
20°-30°	833.2	15.4
30°-40°	990.7	18.3
40°-50°	1004.7	18.5
50°-60°	872.5	16.1
60°-70°	619.4	11.4
70°-80°	296.0	5.5
80°-90°	56.1	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°	1577.6	29.1
0°-40°	2568.3	47.4
0°-60°	4445.5	82.1
0°-90°	5416.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5416.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2034	2034	2034	2034	2034	
5°	2041	2034	2024	2029	2032	194
15°	1965	1969	1949	1946	1945	557
25°	1826	1824	1800	1807	1794	844
35°	1626	1623	1596	1542	1535	1021
45°	1384	1372	1307	1238	1217	1068
55°	1086	1054	965	908	877	971
65°	759	702	610	545	524	752
75°	423	345	257	204	180	443
85°	82	44	38	36	35	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2033.6	2033.6	2033.6	2033.6	2033.6
2.5°	2045.7	2038.5	2036.1	2044.5	2023.9
5°	2040.9	2033.6	2023.9	2028.8	2032.4
7.5°	2026.4	2020.3	2007.0	2017.9	2007.0
10°	2011.8	2005.8	1996.1	1999.7	1987.6
12.5°	1997.3	1982.8	1980.3	1982.8	1974.3
15°	1964.6	1969.4	1948.8	1946.4	1945.2
17.5°	1948.8	1936.7	1914.9	1916.1	1913.7
20°	1912.5	1898.0	1882.2	1879.8	1875.0
22.5°	1875.0	1858.0	1843.5	1850.7	1839.8
25°	1826.5	1824.1	1799.9	1807.1	1793.8
27.5°	1784.1	1775.6	1764.7	1749.0	1729.6
30°	1738.1	1729.6	1718.7	1677.5	1663.0
32.5°	1689.6	1680.0	1658.2	1609.7	1594.0
35°	1625.5	1623.0	1596.4	1541.9	1534.6
37.5°	1577.0	1550.4	1528.6	1472.8	1452.2
40°	1518.9	1504.3	1453.5	1400.2	1373.5
42.5°	1454.7	1437.7	1379.6	1322.6	1293.6
45°	1384.4	1372.3	1306.9	1237.9	1217.3
47.5°	1311.7	1300.8	1223.3	1156.7	1130.1
50°	1241.5	1228.2	1134.9	1070.7	1046.5
52.5°	1165.2	1143.4	1051.3	988.4	965.3
55°	1086.5	1053.8	965.3	908.4	876.9
57.5°	1002.9	972.6	874.5	815.1	789.7
60°	930.2	887.8	787.3	726.7	694.0
62.5°	837.0	800.6	704.9	633.5	617.7
65°	759.4	702.5	610.5	545.0	524.5
67.5°	680.7	614.1	520.8	454.2	443.3
70°	594.7	525.7	430.0	364.6	346.4
72.5°	507.5	439.7	346.4	277.4	266.5
75°	422.7	345.2	256.8	203.5	180.5
77.5°	330.7	260.4	180.5	124.8	110.2
80°	245.9	175.6	104.2	73.9	72.7
82.5°	161.1	101.7	55.7	56.9	54.5
85°	82.4	43.6	37.5	36.3	35.1
87.5°	15.7	17.0	18.2	18.2	18.2
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	15.6	17.2	16.0	17.6	17.9	14.3	15.9	14.7	16.2	16.5
	3H	17.5	18.9	17.8	19.2	19.6	15.6	17.0	16.0	17.4	17.7
	4H	18.2	19.5	18.6	19.9	20.2	15.9	17.2	16.3	17.6	18.0
	6H	18.6	19.9	19.1	20.3	20.7	16.0	17.2	16.4	17.6	18.0
	8H	18.8	20.0	19.2	20.4	20.8	16.0	17.2	16.4	17.6	18.0
	12H	18.8	20.0	19.3	20.4	20.8	16.0	17.1	16.4	17.5	17.9
4H	2H	16.1	17.4	16.5	17.8	18.1	15.0	16.3	15.4	16.7	17.1
	3H	18.1	19.2	18.5	19.6	20.0	16.4	17.6	16.8	18.0	18.4
	4H	18.9	19.9	19.3	20.3	20.7	16.8	17.8	17.2	18.2	18.6
	6H	19.5	20.3	19.9	20.8	21.2	16.9	17.8	17.4	18.2	18.7
	8H	19.6	20.5	20.1	20.9	21.4	16.9	17.8	17.4	18.2	18.7
	12H	19.7	20.5	20.2	20.9	21.4	16.9	17.7	17.4	18.2	18.6
8H	4H	19.0	19.8	19.4	20.2	20.7	17.1	17.9	17.5	18.3	18.8
	6H	19.6	20.3	20.1	20.8	21.3	17.2	17.9	17.7	18.4	18.9
	8H	19.8	20.4	20.3	20.9	21.4	17.2	17.9	17.8	18.4	18.9
	12H	19.9	20.5	20.4	21.0	21.5	17.3	17.8	17.8	18.3	18.9
12H	4H	19.0	19.7	19.4	20.2	20.6	17.1	17.8	17.6	18.3	18.8
	6H	19.6	20.2	20.1	20.7	21.2	17.2	17.9	17.8	18.3	18.9
	8H	19.8	20.4	20.3	20.8	21.4	17.3	17.8	17.8	18.3	18.9

(END OF REPORT)