

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: P1471847

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PLG-L835-UNV-STD-B
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

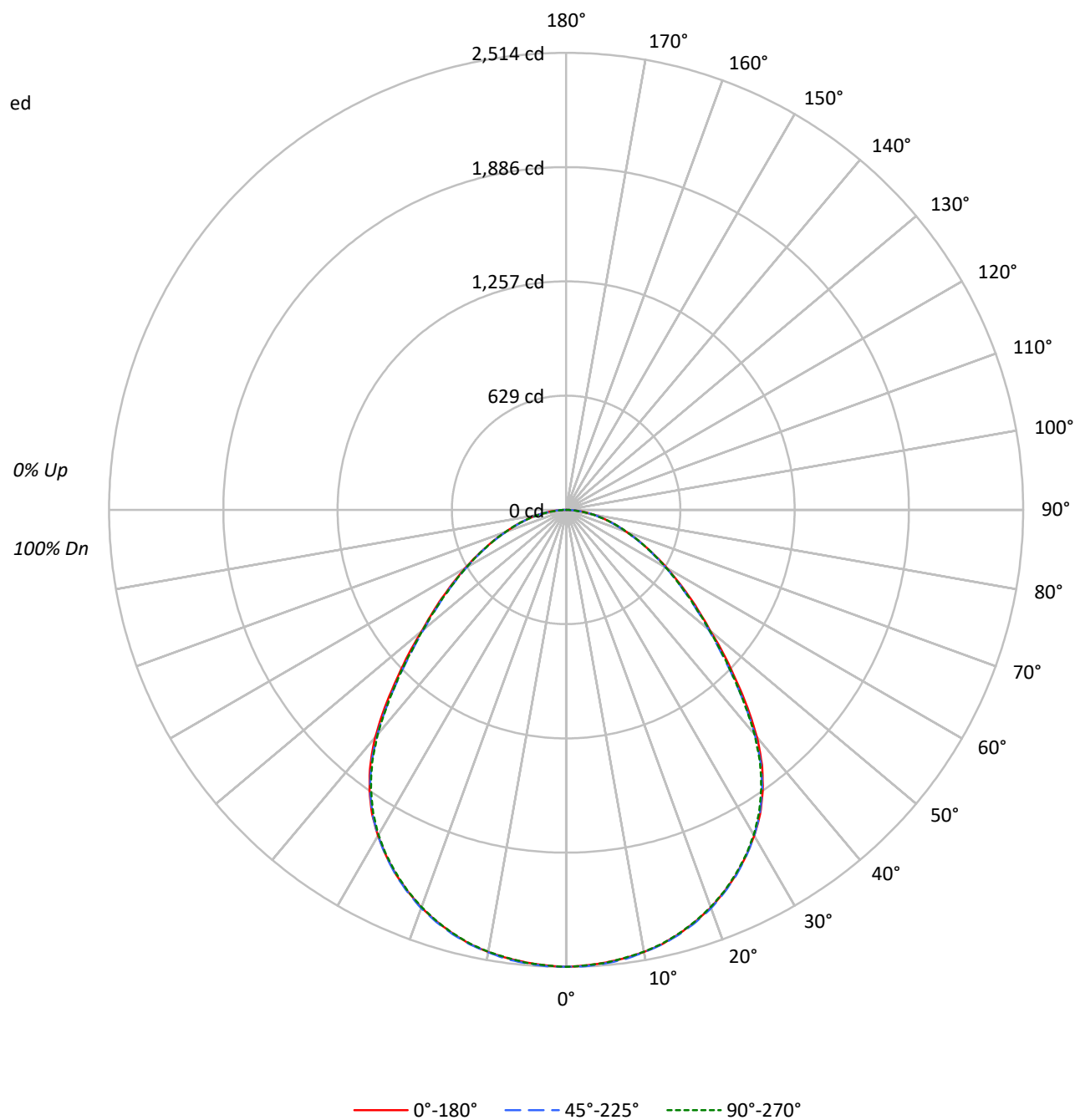
Lumens per Lamp: N/A
Luminaire Lumens: 5663.8 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	67	60	84	73	66	60	71	64	59		69	63	58		67
5	79	67	59	53	77	66	58	53	64	57	52		62	56	51		61
6	74	61	53	47	72	60	52	47	58	51	46		57	51	46		55
7	69	56	48	42	67	55	47	42	54	46	41		52	46	41		51
8	64	51	43	38	62	51	43	38	49	42	37		48	42	37		47
9	60	47	39	34	59	47	39	34	46	39	34		44	38	34		43
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3382	3382	3382
5°	3376	3383	3378
10°	3373	3376	3371
15°	3360	3365	3357
20°	3333	3338	3328
25°	3287	3289	3279
30°	3215	3215	3207
35°	3097	3088	3074
40°	2870	2839	2829
45°	2508	2468	2478
50°	2166	2140	2151
55°	1925	1896	1900
60°	1723	1699	1699
65°	1545	1534	1539
70°	1389	1376	1389
75°	1289	1271	1289
80°	1203	1189	1148
85°	1019	1019	909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2508 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	4.2
10°-20°	680.9	12.0
20°-30°	1018.9	18.0
30°-40°	1167.4	20.6
40°-50°	1009.6	17.8
50°-60°	730.7	12.9
60°-70°	481.3	8.5
70°-80°	262.0	4.6
80°-90°	75.1	1.3
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°	1937.8	34.2
0°-40°	3105.2	54.8
0°-60°	4845.5	85.6
0°-90°	5663.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5663.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2499	2505	2505	2505	2501	238
15°	2412	2414	2416	2419	2410	680
25°	2214	2214	2216	2217	2208	1018
35°	1886	1884	1880	1878	1871	1171
45°	1318	1315	1297	1295	1302	1021
55°	821	817	808	803	810	739
65°	485	489	482	478	483	484
75°	248	248	244	244	248	264
85°	66	66	66	68	59	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2513.6	2513.6	2513.6	2513.6	2513.6
2.5°	2508.2	2513.6	2511.8	2513.6	2508.2
5°	2499.3	2504.7	2504.7	2504.7	2501.1
7.5°	2486.8	2490.4	2492.2	2494.0	2485.0
10°	2469.0	2472.5	2470.8	2474.3	2467.2
12.5°	2445.8	2445.8	2447.6	2451.1	2444.0
15°	2411.9	2413.7	2415.5	2419.0	2410.1
17.5°	2372.6	2374.4	2376.2	2378.0	2370.9
20°	2328.0	2328.0	2331.6	2333.4	2324.5
22.5°	2272.7	2272.7	2276.3	2281.7	2271.0
25°	2213.9	2213.9	2215.7	2217.4	2208.5
27.5°	2144.3	2144.3	2146.1	2151.4	2140.7
30°	2069.4	2067.6	2069.4	2071.2	2064.0
32.5°	1985.5	1983.7	1982.0	1983.7	1974.8
35°	1885.6	1883.8	1880.3	1878.5	1871.4
37.5°	1769.7	1766.1	1759.0	1759.0	1751.8
40°	1634.1	1625.2	1616.3	1612.7	1610.9
42.5°	1477.1	1470.0	1457.5	1455.7	1455.7
45°	1318.3	1314.8	1296.9	1295.1	1302.3
47.5°	1175.6	1166.7	1150.6	1147.1	1157.8
50°	1034.7	1036.5	1022.2	1016.8	1027.6
52.5°	924.1	920.5	908.0	904.5	913.4
55°	820.6	817.0	808.1	802.8	809.9
57.5°	726.1	724.3	715.4	713.6	717.1
60°	640.4	638.7	631.5	629.7	631.5
62.5°	560.2	560.2	553.0	549.5	554.8
65°	485.2	488.8	481.7	478.1	483.4
67.5°	417.4	421.0	413.9	410.3	417.4
70°	353.2	356.8	349.7	346.1	353.2
72.5°	297.9	299.7	294.4	292.6	301.5
75°	248.0	248.0	244.4	244.4	248.0
77.5°	201.6	199.8	198.0	198.0	194.4
80°	155.2	153.4	153.4	153.4	148.1
82.5°	110.6	107.0	108.8	110.6	101.7
85°	66.0	66.0	66.0	67.8	58.9
87.5°	26.8	26.8	25.0	26.8	23.2
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	13.5	15.0	13.9	15.3	15.6	13.4	14.9	13.8	15.2	15.5
	3H	14.9	16.3	15.3	16.6	17.0	14.8	16.2	15.2	16.5	16.9
	4H	15.5	16.8	15.9	17.1	17.5	15.4	16.7	15.8	17.0	17.4
	6H	15.9	17.1	16.3	17.5	17.8	15.8	17.0	16.2	17.3	17.7
	8H	16.1	17.2	16.5	17.6	18.0	15.9	17.1	16.4	17.4	17.8
	12H	16.2	17.2	16.6	17.6	18.0	16.0	17.1	16.4	17.5	17.9
4H	2H	14.0	15.3	14.4	15.6	16.0	13.9	15.2	14.3	15.5	15.9
	3H	15.6	16.7	16.1	17.1	17.5	15.5	16.6	16.0	17.0	17.4
	4H	16.3	17.3	16.7	17.7	18.1	16.2	17.2	16.7	17.6	18.0
	6H	16.9	17.7	17.3	18.1	18.6	16.8	17.6	17.2	18.1	18.5
	8H	17.1	17.8	17.5	18.3	18.8	17.0	17.7	17.4	18.2	18.6
	12H	17.2	17.9	17.7	18.4	18.8	17.1	17.8	17.6	18.3	18.7
8H	4H	16.6	17.3	17.0	17.8	18.2	16.5	17.3	17.0	17.7	18.2
	6H	17.2	17.9	17.7	18.4	18.9	17.2	17.8	17.7	18.3	18.8
	8H	17.5	18.1	18.0	18.6	19.1	17.4	18.0	17.9	18.5	19.0
	12H	17.7	18.2	18.2	18.7	19.3	17.6	18.1	18.1	18.6	19.2
12H	4H	16.6	17.3	17.1	17.8	18.2	16.5	17.2	17.0	17.7	18.1
	6H	17.3	17.9	17.8	18.3	18.9	17.2	17.8	17.7	18.3	18.8
	8H	17.6	18.1	18.1	18.6	19.2	17.5	18.0	18.0	18.5	19.1

(END OF REPORT)