

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: P1471852

Luminaire Tested: 24PTR-65S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PR1-L835-UNV-STD-W
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

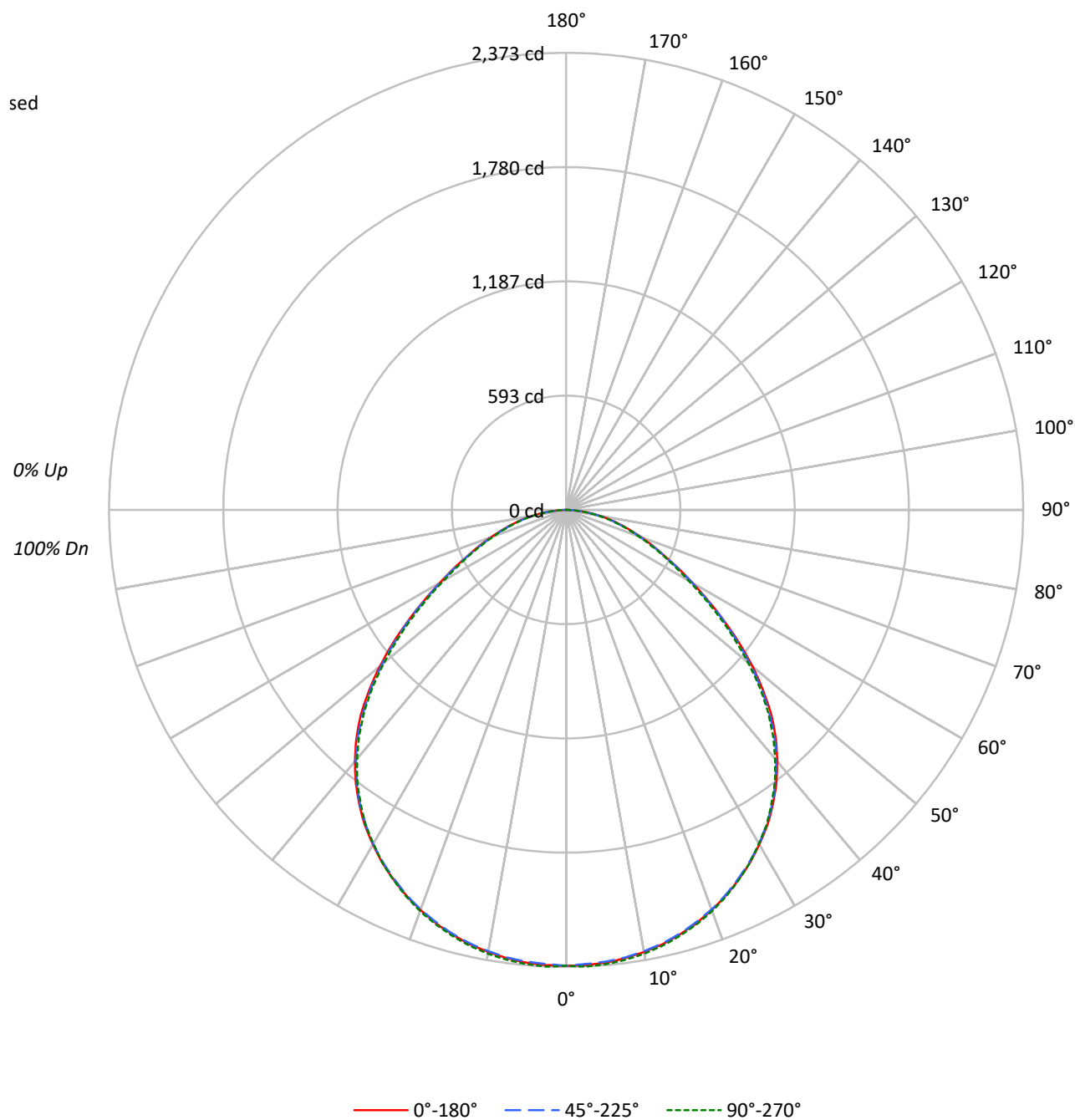
Lumens per Lamp: N/A
Luminaire Lumens: 5985.1 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3184	3184	3184
5°	3187	3180	3198
10°	3184	3179	3196
15°	3178	3174	3189
20°	3165	3161	3174
25°	3145	3137	3148
30°	3117	3113	3109
35°	3074	3067	3054
40°	2996	2984	2963
45°	2871	2839	2818
50°	2642	2612	2580
55°	2338	2328	2282
60°	2032	2024	1970
65°	1791	1780	1745
70°	1625	1602	1569
75°	1504	1469	1442
80°	1373	1354	1309
85°	1085	1076	1033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	3.8
10°-20°	644.3	10.8
20°-30°	976.1	16.3
30°-40°	1165.3	19.5
40°-50°	1146.0	19.1
50°-60°	885.7	14.8
60°-70°	558.5	9.3
70°-80°	302.1	5.0
80°-90°	82.5	1.4
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°	1844.9	30.8
0°-40°	3010.2	50.3
0°-60°	5041.9	84.2
0°-90°	5985.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5985.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2360	2361	2355	2365	2368	224
15°	2282	2282	2278	2286	2289	644
25°	2118	2120	2113	2120	2121	976
35°	1871	1872	1867	1864	1859	1168
45°	1509	1503	1492	1480	1481	1155
55°	997	1005	992	976	973	894
65°	562	563	559	550	548	566
75°	289	286	283	284	277	307
85°	70	71	70	70	67	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2366.6	2366.6	2366.6	2366.6	2366.6
2.5°	2365.7	2366.6	2359.8	2370.9	2373.4
5°	2359.8	2360.7	2354.6	2364.7	2367.5
7.5°	2347.8	2349.6	2343.8	2353.9	2356.4
10°	2330.8	2332.7	2326.8	2337.0	2339.5
12.5°	2309.9	2310.5	2305.6	2314.8	2317.3
15°	2281.8	2282.4	2278.4	2285.8	2289.2
17.5°	2249.5	2250.4	2244.5	2253.8	2255.3
20°	2210.6	2211.3	2207.9	2215.6	2216.5
22.5°	2167.2	2169.0	2163.8	2170.6	2171.5
25°	2118.2	2119.7	2112.9	2119.7	2120.6
27.5°	2066.4	2067.0	2061.2	2066.4	2065.5
30°	2006.0	2011.2	2003.5	2001.7	2001.1
32.5°	1943.4	1944.1	1936.7	1934.8	1938.2
35°	1871.3	1871.9	1867.0	1864.5	1859.3
37.5°	1792.4	1792.4	1782.9	1781.3	1780.4
40°	1705.8	1704.9	1699.0	1693.2	1687.0
42.5°	1611.5	1613.4	1601.3	1591.2	1589.6
45°	1508.9	1503.0	1491.9	1480.2	1481.2
47.5°	1387.8	1389.3	1374.2	1364.7	1362.2
50°	1262.0	1262.0	1247.9	1237.7	1232.4
52.5°	1130.7	1131.7	1118.1	1104.5	1101.8
55°	996.7	1005.0	992.4	976.3	973.0
57.5°	871.2	878.0	866.0	849.1	848.1
60°	755.1	755.7	752.3	736.3	731.9
62.5°	655.8	651.5	649.7	641.3	636.1
65°	562.4	563.4	559.1	549.5	548.0
67.5°	486.9	486.0	478.3	472.5	469.1
70°	413.0	410.5	407.1	402.2	398.8
72.5°	347.0	347.0	344.2	342.7	336.9
75°	289.4	286.0	282.6	284.2	277.4
77.5°	234.2	230.8	228.1	224.7	223.1
80°	177.2	173.8	174.7	169.5	168.9
82.5°	123.0	123.0	121.4	117.1	118.0
85°	70.3	71.2	69.7	70.3	66.9
87.5°	25.6	26.2	28.0	26.2	26.2
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	14.6	16.1	14.9	16.4	16.7	14.3	15.9	14.7	16.2	16.5
	3H	15.9	17.3	16.3	17.6	18.0	15.7	17.1	16.1	17.4	17.8
	4H	16.4	17.7	16.8	18.1	18.5	16.2	17.5	16.6	17.9	18.2
	6H	16.8	18.0	17.2	18.4	18.8	16.6	17.8	17.0	18.2	18.6
	8H	17.0	18.1	17.4	18.5	18.9	16.7	17.9	17.2	18.3	18.7
	12H	17.0	18.1	17.5	18.5	19.0	16.8	17.9	17.2	18.3	18.7
4H	2H	15.0	16.3	15.4	16.7	17.0	14.8	16.1	15.2	16.5	16.9
	3H	16.6	17.7	17.0	18.1	18.5	16.4	17.5	16.8	17.9	18.3
	4H	17.2	18.2	17.7	18.6	19.1	17.1	18.0	17.5	18.5	18.9
	6H	17.8	18.6	18.2	19.1	19.5	17.6	18.4	18.0	18.9	19.3
	8H	17.9	18.7	18.4	19.2	19.7	17.8	18.6	18.2	19.0	19.5
	12H	18.1	18.8	18.5	19.3	19.7	17.9	18.6	18.3	19.1	19.5
8H	4H	17.5	18.3	17.9	18.7	19.2	17.3	18.1	17.8	18.6	19.0
	6H	18.1	18.8	18.6	19.3	19.8	18.0	18.6	18.4	19.1	19.6
	8H	18.4	19.0	18.9	19.5	20.0	18.2	18.8	18.7	19.3	19.8
	12H	18.5	19.1	19.1	19.6	20.1	18.4	18.9	18.9	19.4	20.0
12H	4H	17.5	18.2	18.0	18.7	19.2	17.3	18.1	17.8	18.5	19.0
	6H	18.2	18.8	18.7	19.2	19.8	18.0	18.6	18.5	19.1	19.6
	8H	18.5	19.0	19.0	19.5	20.0	18.3	18.8	18.8	19.3	19.9

(END OF REPORT)