Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471834

Luminaire Tested: 24PTR-50S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471834
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-50S-PP3-L835-UNV-STD-W
Description:	5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5064.7 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	44.1
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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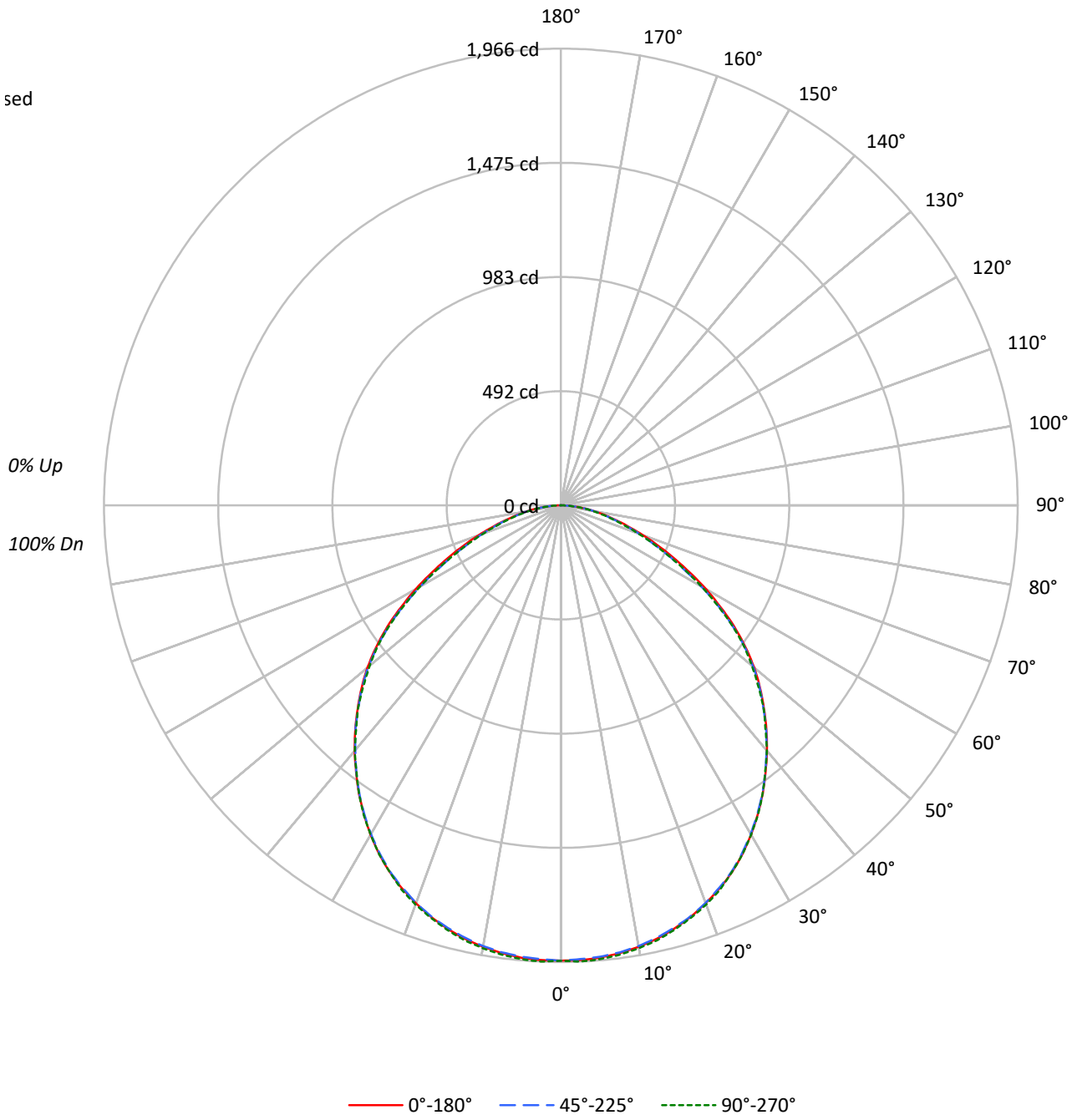
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2637	2637	2637
5°	2640	2634	2648
10°	2636	2632	2645
15°	2628	2622	2634
20°	2610	2608	2619
25°	2587	2583	2586
30°	2543	2538	2543
35°	2488	2485	2487
40°	2424	2417	2423
45°	2351	2345	2347
50°	2273	2262	2246
55°	2140	2115	2108
60°	1942	1876	1880
65°	1706	1620	1617
70°	1475	1408	1391
75°	1275	1228	1201
80°	1130	1113	1064
85°	934	966	909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	3.7
10°-20°	532.6	10.5
20°-30°	801.8	15.8
30°-40°	946.3	18.7
40°-50°	951.7	18.8
50°-60°	803.5	15.9
60°-70°	516.0	10.2
70°-80°	256.6	5.1
80°-90°	70.3	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°	1520.2	30.0
0°-40°	2466.5	48.7
0°-60°	4221.7	83.4
0°-90°	5064.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5064.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1954	1955	1950	1959	1961	186
15°	1886	1887	1883	1891	1891	532
25°	1742	1743	1740	1743	1742	802
35°	1515	1516	1513	1514	1514	947
45°	1236	1240	1232	1234	1234	954
55°	912	911	902	898	899	811
65°	536	528	509	504	508	534
75°	245	244	236	234	231	266
85°	60	63	63	59	59	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.2	1960.2	1960.2	1960.2	*1960.2*
2.5°	*1959.4*	*1960.2*	*1955.0*	*1964.3*	*1965.9*
5°	1954.5	1955.0	1950.1	1959.4	*1960.7*
7.5°	1944.4	1945.2	1940.8	1949.3	*1950.9*
10°	1929.4	1931.8	1926.6	1934.6	*1935.9*
12.5°	1911.1	1911.8	1906.7	1916.0	*1917.5*
15°	1886.3	1886.8	1882.6	1891.2	*1891.2*
17.5°	1857.6	1858.3	1855.5	1862.7	*1861.9*
20°	1822.9	1825.0	1821.4	1826.3	*1829.1*
22.5°	1785.2	1785.9	1781.5	1788.0	*1790.9*
25°	1742.5	1743.0	1739.7	1743.0	*1741.7*
27.5°	1692.6	1693.9	1689.0	1692.6	*1693.4*
30°	1637.0	1640.6	1633.7	1636.5	*1637.0*
32.5°	1577.3	1579.4	1574.5	1575.2	*1578.9*
35°	1514.7	1515.5	1512.7	1514.0	*1514.0*
37.5°	1447.3	1450.1	1445.7	1447.8	*1444.9*
40°	1380.3	1377.5	1375.9	1377.5	*1379.5*
42.5°	1309.7	1310.5	1308.4	1306.9	*1303.5*
45°	1235.8	1240.2	1232.2	1233.7	*1233.7*
47.5°	1163.4	1163.9	1159.8	1155.4	*1152.5*
50°	1085.8	1085.8	1080.7	1077.3	*1072.9*
52.5°	1001.0	999.7	994.1	990.4	*992.5*
55°	912.1	911.3	901.5	897.9	*898.7*
57.5°	814.6	816.2	801.2	797.6	*797.6*
60°	721.6	714.3	697.3	692.3	*698.6*
62.5°	623.8	615.3	597.0	597.0	*601.9*
65°	535.7	527.9	508.8	503.6	*508.0*
67.5°	453.2	446.0	428.4	425.5	*426.8*
70°	374.9	368.7	357.8	351.3	*353.7*
72.5°	307.4	301.7	294.5	289.6	*286.7*
75°	245.3	244.1	236.3	234.0	*231.1*
77.5°	194.2	193.6	187.2	184.3	*181.5*
80°	145.8	145.0	143.7	139.3	*137.3*
82.5°	103.9	103.9	103.2	99.5	*97.5*
85°	60.5	62.6	62.6	58.9	*58.9*
87.5°	24.3	25.6	24.3	24.3	*23.5*
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	16.2	15.0	16.5	16.8	14.5	16.0	14.8	16.3	16.7
	3H	15.9	17.3	16.3	17.7	18.0	15.7	17.1	16.1	17.4	17.8
	4H	16.4	17.7	16.8	18.1	18.4	16.1	17.5	16.5	17.8	18.2
	6H	16.7	17.9	17.1	18.3	18.7	16.4	17.7	16.8	18.0	18.4
	8H	16.8	18.0	17.2	18.4	18.8	16.5	17.7	17.0	18.1	18.5
	12H	16.9	18.0	17.3	18.4	18.8	16.6	17.7	17.0	18.1	18.5
4H	2H	15.0	16.4	15.4	16.7	17.1	14.9	16.2	15.3	16.6	17.0
	3H	16.5	17.7	17.0	18.1	18.5	16.3	17.5	16.8	17.9	18.3
	4H	17.1	18.1	17.5	18.5	19.0	16.9	17.9	17.3	18.3	18.7
	6H	17.6	18.4	18.0	18.9	19.3	17.3	18.2	17.8	18.6	19.1
	8H	17.7	18.5	18.2	19.0	19.4	17.5	18.3	17.9	18.7	19.2
	12H	17.8	18.6	18.3	19.0	19.5	17.6	18.3	18.1	18.8	19.2
8H	4H	17.3	18.1	17.8	18.6	19.0	17.1	17.9	17.6	18.4	18.8
	6H	17.9	18.5	18.4	19.0	19.5	17.6	18.3	18.1	18.8	19.3
	8H	18.1	18.7	18.6	19.2	19.7	17.8	18.5	18.4	19.0	19.5
	12H	18.3	18.8	18.8	19.3	19.9	18.0	18.6	18.5	19.0	19.6
12H	4H	17.3	18.1	17.8	18.5	19.0	17.1	17.9	17.6	18.3	18.8
	6H	17.9	18.5	18.4	19.0	19.5	17.7	18.3	18.2	18.8	19.3
	8H	18.2	18.7	18.7	19.2	19.8	17.9	18.5	18.4	19.0	19.5

(END OF REPORT)