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: P1471833

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471833
	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-B
Description:	5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4371.6 lumens
Efficiency:	N/A
Efficacy:	99.1 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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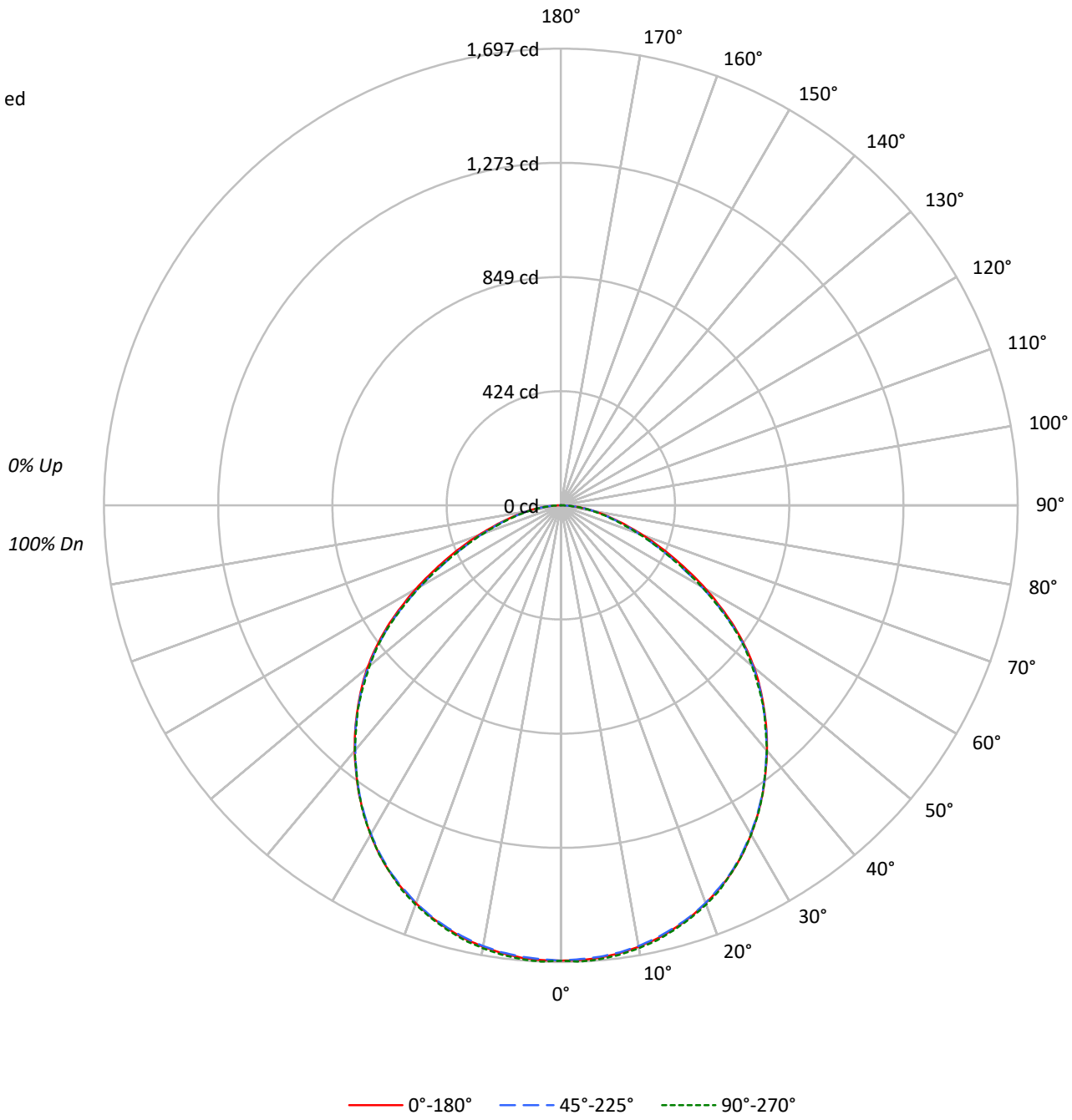
Luminous Intensity Polar Plot



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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°	2277	2277	2277
5°	2279	2274	2286
10°	2275	2272	2283
15°	2268	2264	2274
20°	2253	2251	2261
25°	2233	2229	2232
30°	2195	2191	2195
35°	2148	2145	2146
40°	2093	2086	2092
45°	2030	2024	2026
50°	1962	1953	1939
55°	1847	1825	1820
60°	1676	1619	1623
65°	1472	1398	1396
70°	1273	1215	1201
75°	1101	1061	1037
80°	976	962	918
85°	806	834	786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	3.7
10°-20°	459.7	10.5
20°-30°	692.1	15.8
30°-40°	816.8	18.7
40°-50°	821.5	18.8
50°-60°	693.5	15.9
60°-70°	445.4	10.2
70°-80°	221.5	5.1
80°-90°	60.7	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°	1312.2	30.0
0°-40°	2129.0	48.7
0°-60°	3644.0	83.4
0°-90°	4371.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4371.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1687	1688	1683	1691	1692	160
15°	1628	1629	1625	1632	1632	459
25°	1504	1504	1502	1504	1503	692
35°	1308	1308	1306	1307	1307	817
45°	1067	1070	1064	1065	1065	823
55°	787	787	778	775	776	700
65°	462	456	439	435	438	461
75°	212	211	204	202	200	229
85°	52	54	54	51	51	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.0	1692.0	1692.0	1692.0	*1692.0*
2.5°	*1691.3*	*1692.0*	*1687.5*	*1695.5*	*1696.9*
5°	1687.0	1687.5	1683.3	1691.3	*1692.4*
7.5°	1678.3	1679.0	1675.2	1682.6	*1683.9*
10°	1665.4	1667.4	1662.9	1669.9	*1671.0*
12.5°	1649.6	1650.2	1645.8	1653.8	*1655.1*
15°	1628.1	1628.6	1625.0	1632.4	*1632.4*
17.5°	1603.4	1604.0	1601.6	1607.8	*1607.2*
20°	1573.5	1575.2	1572.1	1576.4	*1578.8*
22.5°	1540.9	1541.5	1537.8	1543.3	*1545.8*
25°	1504.1	1504.5	1501.6	1504.5	*1503.4*
27.5°	1461.0	1462.1	1457.9	1461.0	*1461.7*
30°	1413.0	1416.1	1410.1	1412.6	*1413.0*
32.5°	1361.5	1363.2	1359.0	1359.7	*1362.8*
35°	1307.5	1308.1	1305.7	1306.8	*1306.8*
37.5°	1249.2	1251.7	1247.9	1249.7	*1247.2*
40°	1191.4	1189.0	1187.6	1189.0	*1190.8*
42.5°	1130.5	1131.2	1129.4	1128.0	*1125.1*
45°	1066.7	1070.5	1063.6	1064.9	*1064.9*
47.5°	1004.2	1004.6	1001.1	997.3	*994.8*
50°	937.2	937.2	932.8	929.9	*926.1*
52.5°	864.1	862.9	858.0	854.9	*856.7*
55°	787.3	786.6	778.1	775.0	*775.7*
57.5°	703.2	704.5	691.6	688.4	*688.4*
60°	622.8	616.6	601.8	597.6	*603.0*
62.5°	538.5	531.1	515.3	515.3	*519.5*
65°	462.4	455.7	439.2	434.7	*438.5*
67.5°	391.2	384.9	369.8	367.3	*368.4*
70°	323.6	318.2	308.8	303.3	*305.3*
72.5°	265.3	260.4	254.2	249.9	*247.5*
75°	211.8	210.7	204.0	202.0	*199.5*
77.5°	167.6	167.1	161.6	159.1	*156.7*
80°	125.9	125.2	124.1	120.3	*118.5*
82.5°	89.7	89.7	89.0	85.9	*84.1*
85°	52.2	54.0	54.0	50.9	*50.9*
87.5°	21.0	22.1	21.0	21.0	*20.3*
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	14.1	15.7	14.5	16.0	16.3	13.9	15.5	14.3	15.8	16.2
	3H	15.4	16.8	15.8	17.2	17.5	15.2	16.6	15.6	16.9	17.3
	4H	15.9	17.2	16.3	17.5	17.9	15.6	16.9	16.0	17.3	17.7
	6H	16.2	17.4	16.6	17.8	18.2	15.9	17.2	16.3	17.5	17.9
	8H	16.3	17.5	16.7	17.9	18.3	16.0	17.2	16.4	17.6	18.0
	12H	16.4	17.5	16.8	17.9	18.3	16.1	17.2	16.5	17.6	18.0
4H	2H	14.5	15.9	14.9	16.2	16.6	14.4	15.7	14.8	16.1	16.5
	3H	16.0	17.1	16.4	17.5	17.9	15.8	16.9	16.2	17.3	17.7
	4H	16.6	17.6	17.0	18.0	18.5	16.4	17.4	16.8	17.8	18.2
	6H	17.1	17.9	17.5	18.4	18.8	16.8	17.7	17.3	18.1	18.6
	8H	17.2	18.0	17.7	18.5	18.9	17.0	17.8	17.4	18.2	18.7
	12H	17.3	18.0	17.8	18.5	19.0	17.1	17.8	17.5	18.3	18.7
8H	4H	16.8	17.6	17.3	18.1	18.5	16.6	17.4	17.1	17.9	18.3
	6H	17.4	18.0	17.9	18.5	19.0	17.1	17.8	17.6	18.3	18.8
	8H	17.6	18.2	18.1	18.7	19.2	17.3	17.9	17.9	18.5	18.9
	12H	17.7	18.3	18.3	18.8	19.3	17.5	18.0	18.0	18.5	19.1
12H	4H	16.8	17.5	17.3	18.0	18.5	16.6	17.3	17.1	17.8	18.3
	6H	17.4	18.0	17.9	18.5	19.0	17.2	17.8	17.7	18.3	18.8
	8H	17.7	18.2	18.2	18.7	19.3	17.4	18.0	17.9	18.5	19.0

(END OF REPORT)