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: P1471866

Luminaire Tested: 24PTR-72S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471866
	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-72S-PP3-L835-UNV-STD-W
Description:	7200 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:	6772.3 lumens
Efficiency:	N/A
Efficacy:	111.2 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):	60.9
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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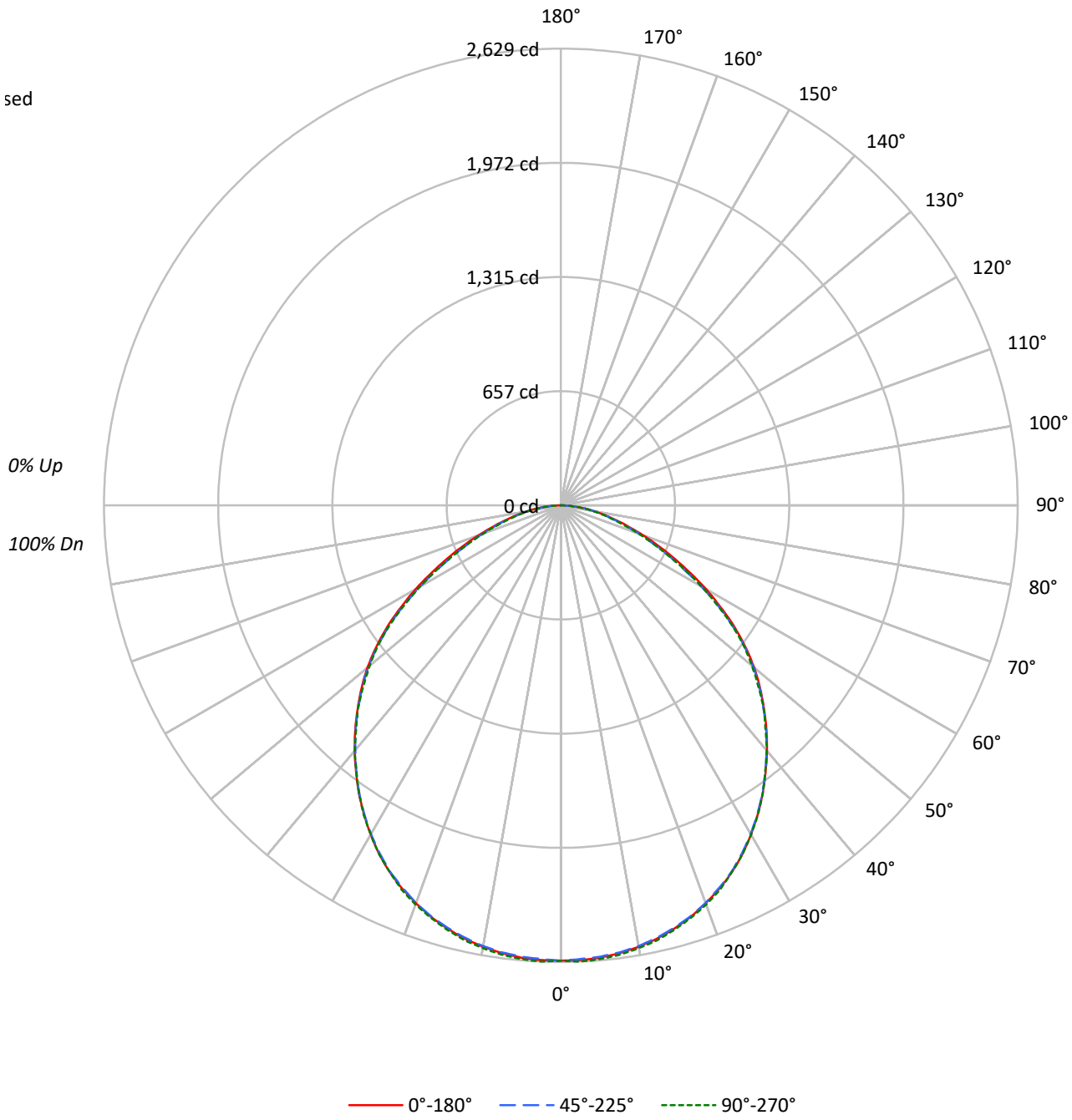
Luminous Intensity Polar Plot



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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°	3527	3527	3527
5°	3530	3522	3541
10°	3525	3520	3537
15°	3513	3507	3522
20°	3490	3487	3502
25°	3459	3453	3458
30°	3401	3394	3401
35°	3327	3322	3325
40°	3242	3231	3240
45°	3144	3135	3139
50°	3039	3025	3003
55°	2861	2828	2819
60°	2597	2509	2514
65°	2280	2166	2163
70°	1972	1882	1860
75°	1706	1643	1607
80°	1511	1489	1423
85°	1249	1292	1216

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 3155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	3.7
10°-20°	712.1	10.5
20°-30°	1072.1	15.8
30°-40°	1265.4	18.7
40°-50°	1272.6	18.8
50°-60°	1074.4	15.9
60°-70°	690.0	10.2
70°-80°	343.2	5.1
80°-90°	94.0	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°	2032.8	30.0
0°-40°	3298.2	48.7
0°-60°	5645.2	83.4
0°-90°	6772.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6772.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2621	2621	2621	2621	2621	
5°	2614	2614	2608	2620	2622	248
15°	2522	2523	2517	2529	2529	712
25°	2330	2331	2326	2331	2329	1072
35°	2026	2026	2023	2024	2024	1266
45°	1652	1658	1648	1650	1650	1275
55°	1220	1219	1206	1201	1202	1085
65°	716	706	680	673	679	714
75°	328	326	316	313	309	355
85°	81	84	84	79	79	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2621.1	2621.1	2621.1	2621.1	*2621.1*
2.5°	*2620.1*	*2621.1*	*2614.2*	*2626.7*	*2628.7*
5°	2613.5	2614.2	2607.6	2620.1	*2621.8*
7.5°	2600.0	2601.1	2595.2	2606.6	*2608.7*
10°	2580.0	2583.1	2576.2	2586.9	*2588.6*
12.5°	2555.4	2556.5	2549.6	2562.0	*2564.1*
15°	2522.3	2522.9	2517.4	2528.8	*2528.8*
17.5°	2483.9	2484.9	2481.1	2490.8	*2489.8*
20°	2437.6	2440.3	2435.5	2442.1	*2445.9*
22.5°	2387.1	2388.1	2382.2	2390.9	*2394.7*
25°	2330.0	2330.7	2326.2	2330.7	*2329.0*
27.5°	2263.3	2265.1	2258.5	2263.3	*2264.4*
30°	2189.0	2193.8	2184.5	2188.3	*2189.0*
32.5°	2109.1	2111.9	2105.3	2106.4	*2111.2*
35°	2025.5	2026.5	2022.7	2024.4	*2024.4*
37.5°	1935.3	1939.1	1933.2	1935.9	*1932.1*
40°	1845.7	1841.9	1839.8	1841.9	*1844.7*
42.5°	1751.3	1752.4	1749.6	1747.5	*1743.0*
45°	1652.5	1658.3	1647.6	1649.7	*1649.7*
47.5°	1555.7	1556.4	1550.8	1545.0	*1541.1*
50°	1452.0	1452.0	1445.0	1440.5	*1434.7*
52.5°	1338.6	1336.8	1329.2	1324.4	*1327.2*
55°	1219.6	1218.6	1205.5	1200.6	*1201.7*
57.5°	1089.3	1091.4	1071.3	1066.5	*1066.5*
60°	964.9	955.2	932.4	925.8	*934.1*
62.5°	834.2	822.8	798.2	798.2	*804.8*
65°	716.3	705.9	680.3	673.4	*679.3*
67.5°	606.0	596.3	572.8	569.0	*570.8*
70°	501.3	493.0	478.5	469.8	*472.9*
72.5°	411.0	403.4	393.8	387.2	*383.4*
75°	328.1	326.3	316.0	312.9	*309.1*
77.5°	259.6	258.9	250.3	246.5	*242.7*
80°	195.0	193.9	192.2	186.3	*183.6*
82.5°	139.0	139.0	137.9	133.1	*130.3*
85°	80.9	83.7	83.7	78.8	*78.8*
87.5°	32.5	34.2	32.5	32.5	*31.5*
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	15.6	17.2	16.0	17.5	17.8	15.5	17.0	15.8	17.4	17.7
	3H	16.9	18.4	17.3	18.7	19.0	16.7	18.1	17.1	18.4	18.8
	4H	17.4	18.7	17.8	19.1	19.4	17.1	18.5	17.5	18.8	19.2
	6H	17.7	18.9	18.1	19.3	19.7	17.4	18.7	17.8	19.0	19.4
	8H	17.8	19.0	18.2	19.4	19.8	17.5	18.7	18.0	19.1	19.5
	12H	17.9	19.0	18.3	19.4	19.8	17.6	18.7	18.0	19.1	19.5
4H	2H	16.0	17.4	16.4	17.7	18.1	15.9	17.2	16.3	17.6	18.0
	3H	17.6	18.7	18.0	19.1	19.5	17.4	18.5	17.8	18.9	19.3
	4H	18.1	19.1	18.6	19.5	20.0	17.9	18.9	18.3	19.3	19.8
	6H	18.6	19.5	19.0	19.9	20.4	18.3	19.2	18.8	19.6	20.1
	8H	18.7	19.5	19.2	20.0	20.5	18.5	19.3	18.9	19.7	20.2
	12H	18.8	19.6	19.3	20.0	20.5	18.6	19.3	19.1	19.8	20.3
8H	4H	18.3	19.1	18.8	19.6	20.0	18.1	18.9	18.6	19.4	19.8
	6H	18.9	19.6	19.4	20.0	20.5	18.7	19.3	19.1	19.8	20.3
	8H	19.1	19.7	19.6	20.2	20.7	18.9	19.5	19.4	20.0	20.5
	12H	19.3	19.8	19.8	20.3	20.9	19.0	19.6	19.5	20.1	20.6
12H	4H	18.3	19.1	18.8	19.5	20.0	18.1	18.9	18.6	19.3	19.8
	6H	18.9	19.5	19.4	20.0	20.5	18.7	19.3	19.2	19.8	20.3
	8H	19.2	19.7	19.7	20.2	20.8	18.9	19.5	19.5	20.0	20.5

(END OF REPORT)