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: P1471870

Luminaire Tested: 24PTR-72S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471870
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-72S-PW1-L835-UNV-STD-W
Description:	7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6812.4 lumens
Efficiency:	N/A
Efficacy:	111.9 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 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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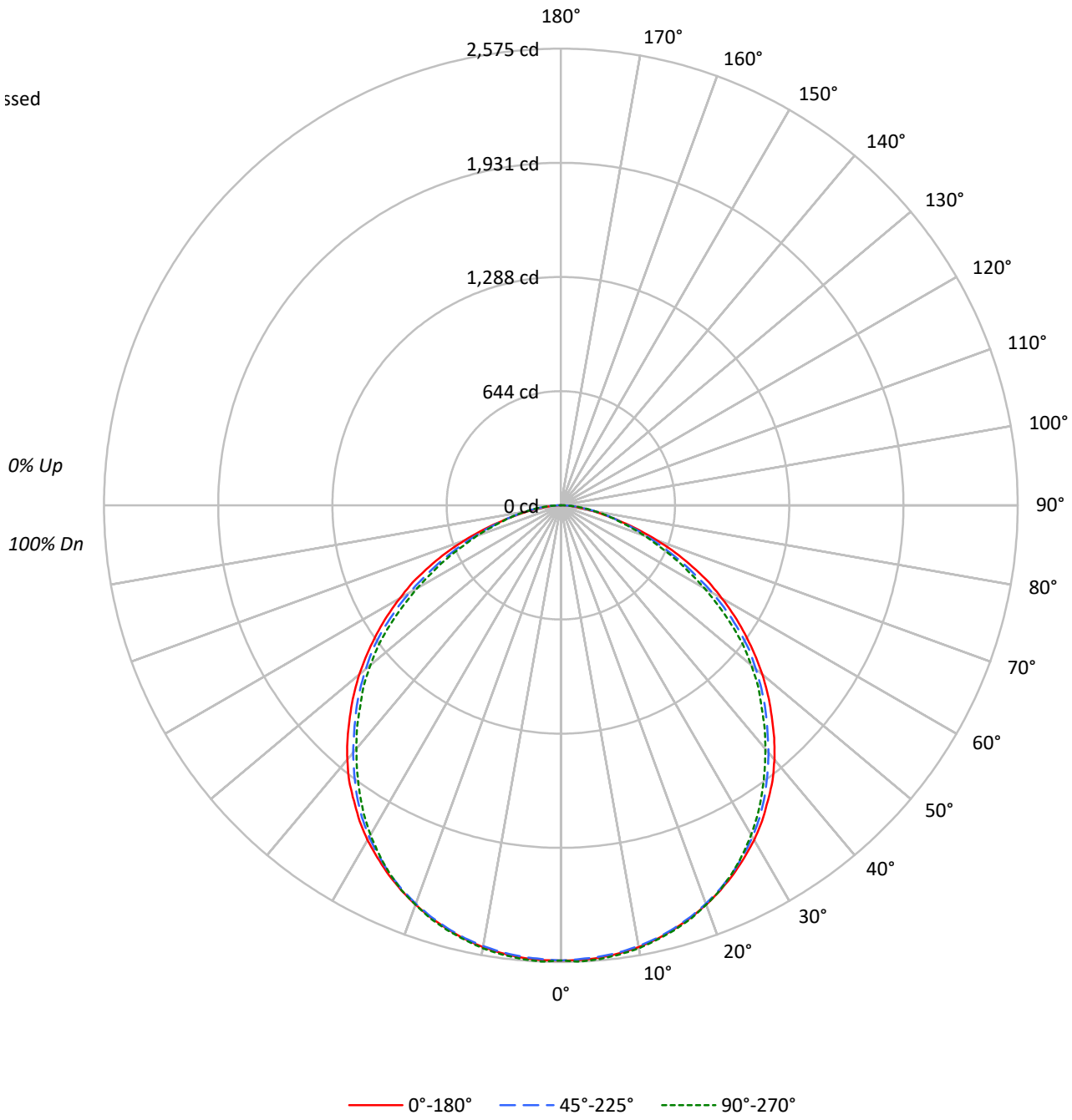
Luminous Intensity Polar Plot



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3454	3454	3454
5°	3457	3449	3467
10°	3455	3448	3465
15°	3445	3439	3453
20°	3431	3423	3431
25°	3412	3397	3395
30°	3386	3356	3333
35°	3340	3290	3248
40°	3289	3199	3149
45°	3198	3104	3040
50°	3102	3000	2931
55°	2972	2872	2757
60°	2818	2652	2513
65°	2607	2368	2250
70°	2260	2061	1984
75°	1804	1764	1716
80°	1371	1532	1532
85°	1014	1308	1308

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.4	3.6
10°-20°	698.3	10.2
20°-30°	1055.3	15.5
30°-40°	1253.1	18.4
40°-50°	1262.4	18.5
50°-60°	1091.2	16.0
60°-70°	745.8	10.9
70°-80°	367.8	5.4
80°-90°	95.1	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°	1997.0	29.3
0°-40°	3250.1	47.7
0°-60°	5603.7	82.3
0°-90°	6812.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6812.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2567	2567	2567	2567	2567	
5°	2559	2560	2554	2564	2567	243
15°	2473	2476	2469	2478	2479	698
25°	2298	2296	2288	2290	2287	1059
35°	2034	2027	2003	1985	1977	1273
45°	1681	1662	1631	1612	1598	1297
55°	1267	1263	1224	1188	1176	1133
65°	819	789	744	711	707	808
75°	347	344	339	339	330	378
85°	66	77	85	86	85	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2567.0	2567.0	2567.0	2567.0	*2567.0*
2.5°	*2566.3*	*2567.0*	*2560.5*	*2571.9*	*2574.6*
5°	2559.4	2560.5	2553.9	2564.3	*2567.0*
7.5°	2547.3	2549.1	2541.5	2551.8	*2553.9*
10°	2529.0	2530.1	2523.5	2533.9	*2535.9*
12.5°	2504.5	2505.2	2499.6	2509.0	*2509.0*
15°	2473.0	2475.8	2469.2	2477.9	*2478.6*
17.5°	2437.8	2438.8	2432.2	2441.6	*2443.6*
20°	2395.9	2395.9	2390.4	2398.0	*2395.9*
22.5°	2349.3	2349.3	2342.7	2346.5	*2348.2*
25°	2298.1	2296.1	2288.5	2290.5	*2286.7*
27.5°	2239.0	2239.0	2225.5	2225.5	*2219.0*
30°	2179.2	2174.4	2160.2	2151.6	*2145.0*
32.5°	2110.5	2103.9	2085.9	2070.7	*2065.9*
35°	2033.7	2026.8	2003.0	1985.0	*1977.4*
37.5°	1959.4	1944.2	1912.7	1894.8	*1886.1*
40°	1872.7	1853.6	1821.5	1796.6	*1792.8*
42.5°	1779.7	1764.5	1722.6	1704.3	*1699.8*
45°	1680.8	1662.5	1631.1	1612.0	*1597.9*
47.5°	1583.7	1570.2	1534.3	1511.5	*1506.6*
50°	1481.7	1470.3	1433.4	1408.8	*1400.2*
52.5°	1376.3	1368.7	1337.3	1305.8	*1295.4*
55°	1267.1	1263.3	1224.2	1188.0	*1175.5*
57.5°	1159.6	1154.8	1106.0	1064.2	*1052.8*
60°	1047.3	1033.1	985.4	946.4	*933.9*
62.5°	940.8	910.4	858.9	828.5	*814.3*
65°	818.8	789.4	743.8	711.3	*706.8*
67.5°	699.2	664.0	628.7	608.7	*593.5*
70°	574.4	550.6	524.0	507.0	*504.3*
72.5°	458.3	441.4	427.9	417.5	*408.9*
75°	347.0	344.3	339.4	339.4	*330.1*
77.5°	255.1	261.6	265.4	264.4	*266.5*
80°	177.0	190.1	197.7	198.7	*197.7*
82.5°	112.3	127.5	140.0	141.7	*143.8*
85°	65.7	77.1	84.7	86.4	*84.7*
87.5°	29.4	37.0	39.1	40.8	*39.1*
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	16.0	17.6	16.4	17.9	18.2	15.4	17.0	15.8	17.3	17.6
	3H	17.5	18.9	17.8	19.2	19.6	16.8	18.2	17.2	18.6	18.9
	4H	17.9	19.3	18.3	19.6	20.0	17.3	18.6	17.7	19.0	19.3
	6H	18.2	19.4	18.6	19.8	20.2	17.6	18.9	18.0	19.2	19.6
	8H	18.2	19.4	18.6	19.8	20.2	17.7	18.9	18.2	19.3	19.7
	12H	18.2	19.4	18.7	19.8	20.2	17.8	19.0	18.2	19.3	19.8
4H	2H	16.4	17.8	16.8	18.1	18.5	16.0	17.3	16.4	17.7	18.0
	3H	18.1	19.2	18.5	19.6	20.0	17.5	18.7	18.0	19.1	19.5
	4H	18.6	19.7	19.1	20.1	20.5	18.1	19.2	18.6	19.6	20.0
	6H	19.0	19.9	19.5	20.3	20.8	18.6	19.5	19.1	19.9	20.4
	8H	19.1	19.9	19.6	20.4	20.8	18.8	19.6	19.2	20.0	20.5
	12H	19.2	19.9	19.6	20.4	20.9	18.9	19.6	19.4	20.1	20.6
8H	4H	18.8	19.7	19.3	20.1	20.6	18.4	19.2	18.8	19.6	20.1
	6H	19.3	20.0	19.8	20.5	20.9	18.9	19.6	19.4	20.1	20.6
	8H	19.4	20.1	19.9	20.6	21.0	19.2	19.8	19.7	20.3	20.8
	12H	19.5	20.1	20.1	20.6	21.1	19.4	19.9	19.9	20.4	21.0
12H	4H	18.9	19.6	19.3	20.1	20.5	18.4	19.1	18.9	19.6	20.1
	6H	19.3	20.0	19.9	20.4	21.0	19.0	19.6	19.5	20.1	20.6
	8H	19.5	20.1	20.0	20.5	21.1	19.3	19.8	19.8	20.3	20.9

(END OF REPORT)