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: P1471869

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471869
	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-B
Description:	7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5880.2 lumens
Efficiency:	N/A
Efficacy:	96.6 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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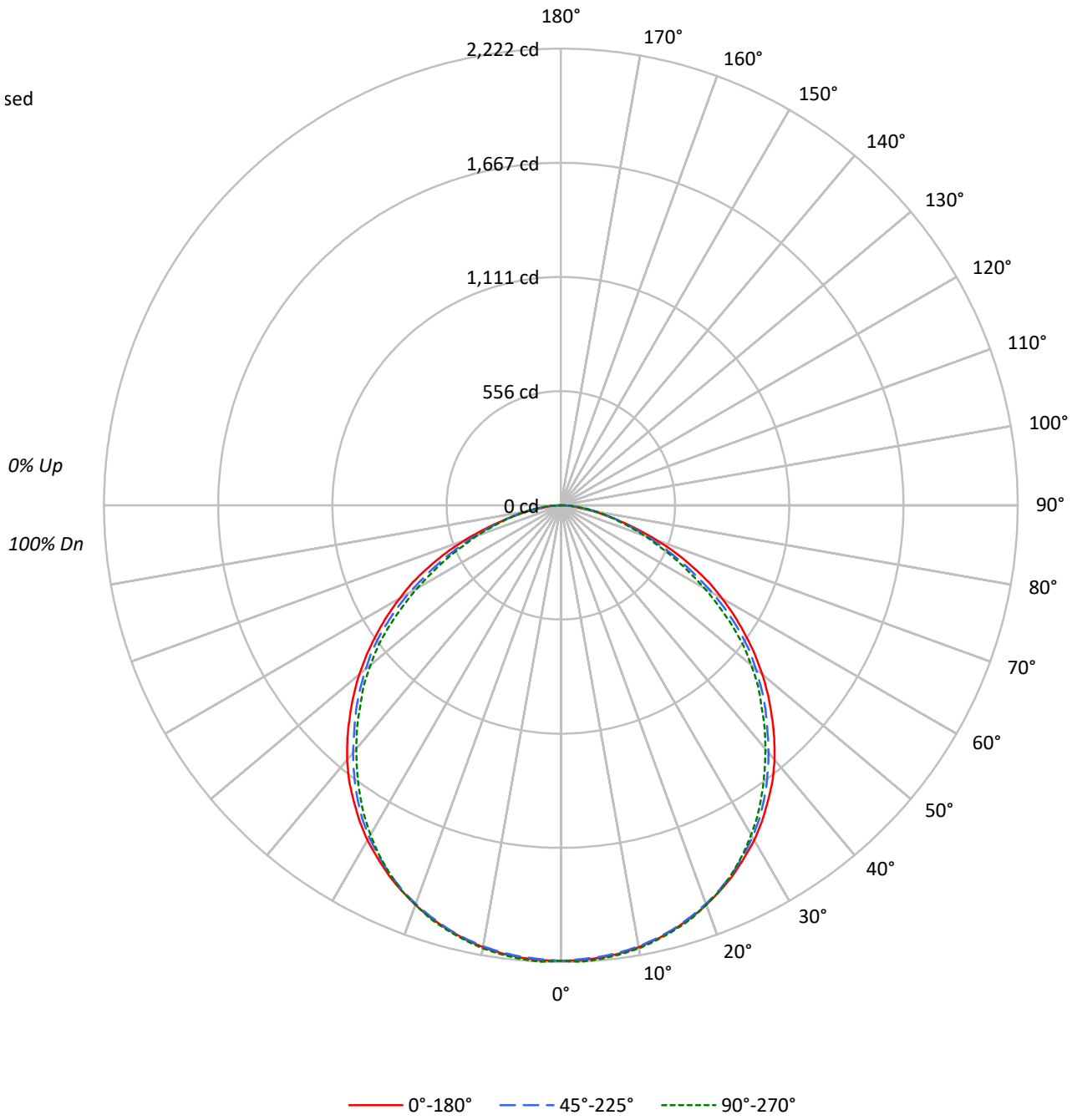
Luminous Intensity Polar Plot



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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°	2981	2981	2981
5°	2984	2977	2993
10°	2982	2976	2991
15°	2973	2969	2980
20°	2961	2954	2961
25°	2945	2932	2930
30°	2922	2897	2877
35°	2883	2840	2803
40°	2839	2761	2718
45°	2761	2679	2624
50°	2677	2590	2530
55°	2566	2479	2380
60°	2433	2289	2169
65°	2250	2044	1942
70°	1950	1779	1712
75°	1557	1523	1481
80°	1183	1322	1322
85°	875	1129	1129

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	3.6
10°-20°	602.7	10.3
20°-30°	910.9	15.5
30°-40°	1081.6	18.4
40°-50°	1089.7	18.5
50°-60°	941.9	16.0
60°-70°	643.8	10.9
70°-80°	317.4	5.4
80°-90°	82.1	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°	1723.7	29.3
0°-40°	2805.3	47.7
0°-60°	4836.9	82.3
0°-90°	5880.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5880.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2216	2216	2216	2216	2216	
5°	2209	2210	2204	2213	2216	210
15°	2135	2137	2131	2139	2139	603
25°	1984	1982	1975	1977	1974	914
35°	1755	1750	1729	1713	1707	1099
45°	1451	1435	1408	1391	1379	1120
55°	1094	1090	1057	1025	1015	978
65°	707	681	642	614	610	698
75°	300	297	293	293	285	326
85°	57	66	73	75	73	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2215.8	2215.8	2215.8	2215.8	*2215.8*
2.5°	*2215.2*	*2215.8*	*2210.1*	*2219.9*	*2222.3*
5°	2209.2	2210.1	2204.4	2213.4	*2215.8*
7.5°	2198.8	2200.2	2193.7	2202.6	*2204.4*
10°	2182.9	2183.8	2178.2	2187.1	*2188.9*
12.5°	2161.8	2162.4	2157.6	2165.6	*2165.6*
15°	2134.6	2137.0	2131.3	2138.8	*2139.4*
17.5°	2104.2	2105.1	2099.4	2107.5	*2109.3*
20°	2068.1	2068.1	2063.3	2069.9	*2068.1*
22.5°	2027.8	2027.8	2022.1	2025.4	*2026.9*
25°	1983.7	1981.9	1975.3	1977.1	*1973.8*
27.5°	1932.6	1932.6	1921.0	1921.0	*1915.3*
30°	1881.0	1876.8	1864.6	1857.2	*1851.5*
32.5°	1821.7	1816.0	1800.5	1787.3	*1783.2*
35°	1755.4	1749.5	1728.9	1713.4	*1706.8*
37.5°	1691.3	1678.2	1651.0	1635.5	*1628.0*
40°	1616.4	1600.0	1572.2	1550.8	*1547.5*
42.5°	1536.1	1523.0	1486.9	1471.1	*1467.2*
45°	1450.8	1435.0	1407.9	1391.4	*1379.2*
47.5°	1367.0	1355.4	1324.3	1304.6	*1300.5*
50°	1279.0	1269.1	1237.2	1216.0	*1208.6*
52.5°	1188.0	1181.4	1154.3	1127.1	*1118.2*
55°	1093.7	1090.4	1056.7	1025.4	*1014.6*
57.5°	1000.9	996.7	954.7	918.6	*908.7*
60°	904.0	891.7	850.6	816.9	*806.1*
62.5°	812.1	785.8	741.4	715.1	*702.9*
65°	706.8	681.4	642.0	614.0	*610.1*
67.5°	603.5	573.1	542.7	525.4	*512.2*
70°	495.8	475.3	452.3	437.7	*435.3*
72.5°	395.6	381.0	369.3	360.4	*352.9*
75°	299.5	297.1	293.0	293.0	*284.9*
77.5°	220.2	225.8	229.1	228.2	*230.0*
80°	152.7	164.1	170.6	171.5	*170.6*
82.5°	97.0	110.1	120.8	122.3	*124.1*
85°	56.7	66.5	73.1	74.6	*73.1*
87.5°	25.4	31.9	33.7	35.2	*33.7*
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	15.5	17.1	15.8	17.4	17.7	14.9	16.5	15.3	16.8	17.1
	3H	16.9	18.4	17.3	18.7	19.1	16.3	17.7	16.7	18.0	18.4
	4H	17.4	18.7	17.8	19.1	19.5	16.8	18.1	17.2	18.5	18.8
	6H	17.6	18.9	18.1	19.3	19.7	17.1	18.4	17.5	18.7	19.1
	8H	17.7	18.9	18.1	19.3	19.7	17.2	18.4	17.7	18.8	19.2
	12H	17.7	18.9	18.2	19.3	19.7	17.3	18.4	17.7	18.8	19.3
4H	2H	15.9	17.3	16.3	17.6	18.0	15.5	16.8	15.9	17.2	17.5
	3H	17.6	18.7	18.0	19.1	19.5	17.0	18.2	17.4	18.6	19.0
	4H	18.1	19.2	18.6	19.6	20.0	17.6	18.6	18.1	19.1	19.5
	6H	18.5	19.4	19.0	19.8	20.3	18.1	19.0	18.6	19.4	19.9
	8H	18.6	19.4	19.1	19.9	20.3	18.3	19.1	18.7	19.5	20.0
	12H	18.7	19.4	19.1	19.9	20.3	18.4	19.1	18.9	19.6	20.1
8H	4H	18.3	19.2	18.8	19.6	20.1	17.9	18.7	18.3	19.1	19.6
	6H	18.8	19.5	19.3	20.0	20.4	18.4	19.1	18.9	19.6	20.1
	8H	18.9	19.5	19.4	20.0	20.5	18.7	19.3	19.2	19.8	20.3
	12H	19.0	19.6	19.5	20.1	20.6	18.8	19.4	19.4	19.9	20.4
12H	4H	18.3	19.1	18.8	19.6	20.0	17.9	18.6	18.4	19.1	19.6
	6H	18.8	19.4	19.3	19.9	20.4	18.5	19.1	19.0	19.6	20.1
	8H	19.0	19.5	19.5	20.0	20.6	18.7	19.3	19.3	19.8	20.3

(END OF REPORT)