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: P1471865

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471865
	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-B
Description:	7200 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:	5845.6 lumens
Efficiency:	N/A
Efficacy:	96.0 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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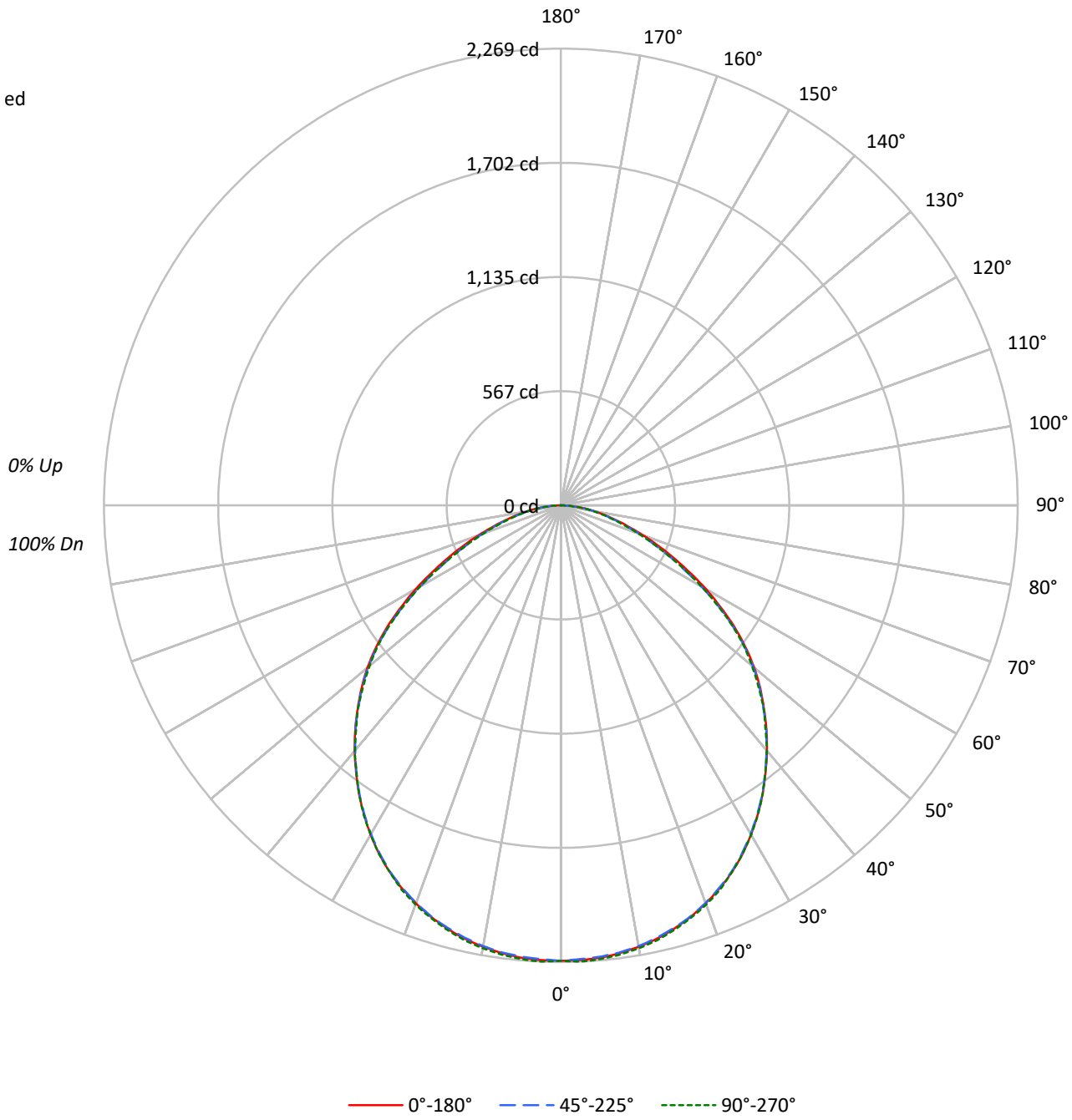
Luminous Intensity Polar Plot



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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°	3044	3044	3044
5°	3047	3040	3056
10°	3042	3038	3053
15°	3033	3027	3041
20°	3013	3010	3023
25°	2986	2981	2984
30°	2936	2930	2936
35°	2872	2868	2870
40°	2798	2789	2797
45°	2714	2706	2710
50°	2623	2611	2592
55°	2469	2441	2433
60°	2241	2166	2170
65°	1968	1869	1867
70°	1702	1625	1606
75°	1472	1418	1387
80°	1304	1285	1227
85°	1078	1115	1050

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2724 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.6	3.7
10°-20°	614.7	10.5
20°-30°	925.4	15.8
30°-40°	1092.2	18.7
40°-50°	1098.5	18.8
50°-60°	927.3	15.9
60°-70°	595.6	10.2
70°-80°	296.2	5.1
80°-90°	81.2	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°	1754.6	30.0
0°-40°	2846.8	48.7
0°-60°	4872.7	83.4
0°-90°	5845.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5845.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2256	2256	2251	2262	2263	214
15°	2177	2178	2173	2183	2183	614
25°	2011	2012	2008	2012	2010	925
35°	1748	1749	1746	1747	1747	1093
45°	1426	1431	1422	1424	1424	1101
55°	1053	1052	1040	1036	1037	936
65°	618	609	587	581	586	616
75°	283	282	273	270	267	306
85°	70	72	72	68	68	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2262.4	2262.4	2262.4	2262.4	*2262.4*
2.5°	*2261.6*	*2262.4*	*2256.5*	*2267.2*	*2269.0*
5°	2255.9	2256.5	2250.8	2261.6	*2263.0*
7.5°	2244.2	2245.1	2240.1	2249.9	*2251.7*
10°	2226.9	2229.6	2223.7	2232.9	*2234.4*
12.5°	2205.8	2206.6	2200.7	2211.4	*2213.2*
15°	2177.1	2177.7	2172.9	2182.8	*2182.8*
17.5°	2144.0	2144.9	2141.6	2150.0	*2149.1*
20°	2104.0	2106.4	2102.2	2107.9	*2111.2*
22.5°	2060.4	2061.3	2056.3	2063.7	*2067.0*
25°	2011.2	2011.8	2007.9	2011.8	*2010.3*
27.5°	1953.6	1955.1	1949.4	1953.6	*1954.5*
30°	1889.5	1893.6	1885.6	1888.9	*1889.5*
32.5°	1820.5	1822.9	1817.2	1818.1	*1822.3*
35°	1748.3	1749.2	1745.9	1747.4	*1747.4*
37.5°	1670.4	1673.7	1668.6	1671.0	*1667.7*
40°	1593.1	1589.9	1588.1	1589.9	*1592.2*
42.5°	1511.7	1512.6	1510.2	1508.4	*1504.5*
45°	1426.3	1431.4	1422.2	1424.0	*1424.0*
47.5°	1342.8	1343.4	1338.6	1333.5	*1330.3*
50°	1253.3	1253.3	1247.3	1243.4	*1238.3*
52.5°	1155.4	1153.9	1147.3	1143.2	*1145.5*
55°	1052.7	1051.9	1040.5	1036.3	*1037.2*
57.5°	940.2	942.0	924.7	920.6	*920.6*
60°	832.8	824.5	804.8	799.1	*806.3*
62.5°	720.0	710.2	689.0	689.0	*694.7*
65°	618.3	609.3	587.2	581.3	*586.4*
67.5°	523.1	514.7	494.4	491.2	*492.7*
70°	432.7	425.5	413.0	405.5	*408.2*
72.5°	354.8	348.2	339.9	334.2	*330.9*
75°	283.2	281.7	272.7	270.0	*266.8*
77.5°	224.1	223.5	216.0	212.8	*209.5*
80°	168.3	167.4	165.9	160.8	*158.4*
82.5°	120.0	120.0	119.1	114.9	*112.5*
85°	69.8	72.2	72.2	68.0	*68.0*
87.5°	28.0	29.5	28.0	28.0	*27.2*
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	15.1	16.7	15.5	17.0	17.3	14.9	16.5	15.3	16.8	17.2
	3H	16.4	17.8	16.8	18.2	18.5	16.2	17.6	16.6	17.9	18.3
	4H	16.9	18.2	17.3	18.5	18.9	16.6	17.9	17.0	18.3	18.7
	6H	17.2	18.4	17.6	18.8	19.2	16.9	18.2	17.3	18.5	18.9
	8H	17.3	18.5	17.7	18.9	19.3	17.0	18.2	17.5	18.6	19.0
	12H	17.4	18.5	17.8	18.9	19.3	17.1	18.2	17.5	18.6	19.0
4H	2H	15.5	16.9	15.9	17.2	17.6	15.4	16.7	15.8	17.1	17.5
	3H	17.0	18.2	17.5	18.6	19.0	16.8	18.0	17.3	18.4	18.8
	4H	17.6	18.6	18.0	19.0	19.5	17.4	18.4	17.8	18.8	19.2
	6H	18.1	18.9	18.5	19.4	19.8	17.8	18.7	18.3	19.1	19.6
	8H	18.2	19.0	18.7	19.5	19.9	18.0	18.8	18.4	19.2	19.7
	12H	18.3	19.1	18.8	19.5	20.0	18.1	18.8	18.5	19.3	19.7
8H	4H	17.8	18.6	18.3	19.1	19.5	17.6	18.4	18.1	18.9	19.3
	6H	18.4	19.0	18.9	19.5	20.0	18.1	18.8	18.6	19.3	19.8
	8H	18.6	19.2	19.1	19.7	20.2	18.3	19.0	18.9	19.5	20.0
	12H	18.8	19.3	19.3	19.8	20.3	18.5	19.1	19.0	19.5	20.1
12H	4H	17.8	18.6	18.3	19.0	19.5	17.6	18.4	18.1	18.8	19.3
	6H	18.4	19.0	18.9	19.5	20.0	18.2	18.8	18.7	19.3	19.8
	8H	18.7	19.2	19.2	19.7	20.3	18.4	19.0	18.9	19.5	20.0

(END OF REPORT)