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: P1471802

Luminaire Tested: 24PTR-40S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471802
	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-40S-PP3-L835-UNV-STD-W
Description:	4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces
	Frame
Light Source:	-
Ballast/Driver:	-

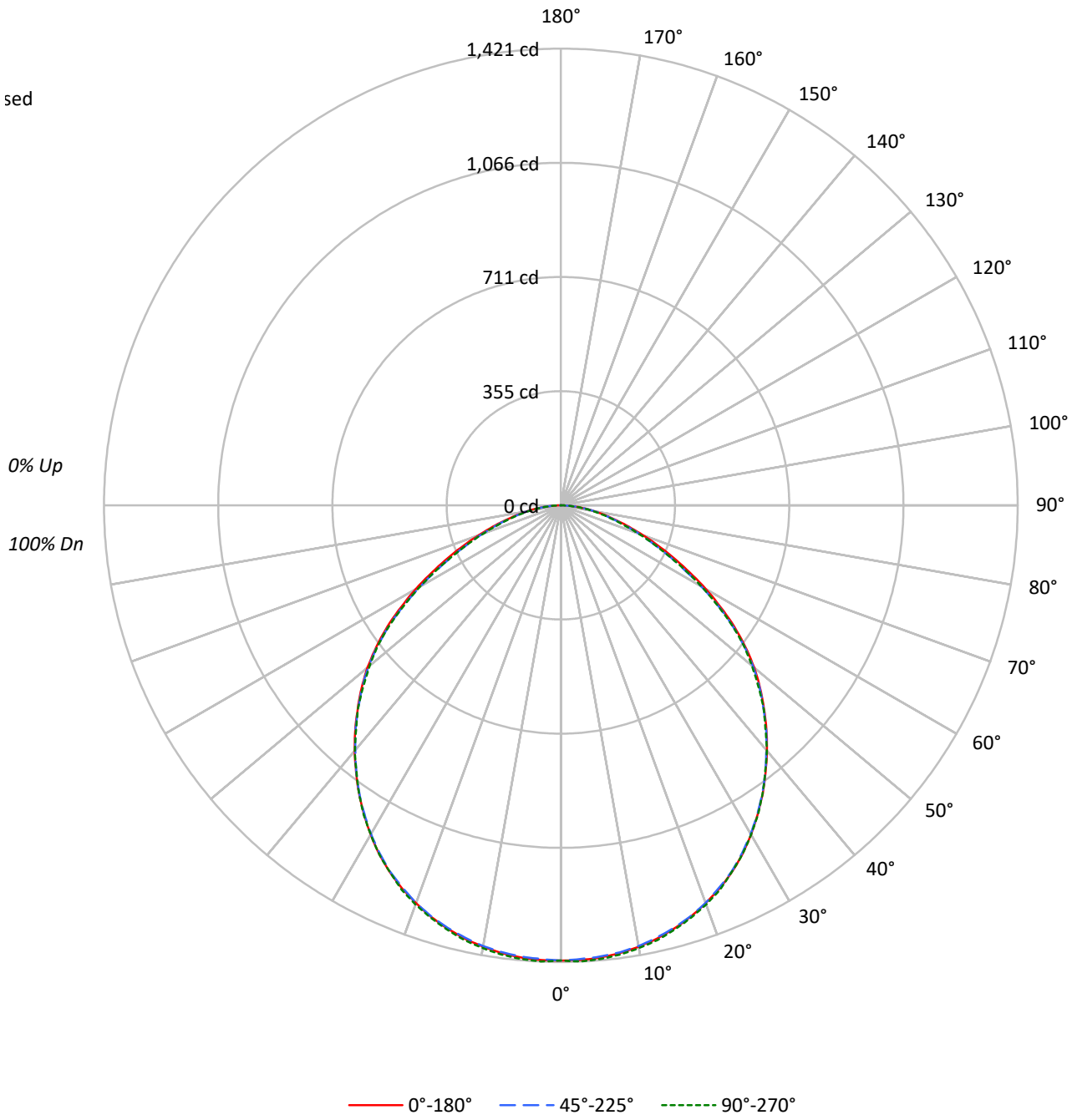
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3660.1 lumens
Efficiency:	N/A
Efficacy:	120.8 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):	30.3
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

TEST NUMBER: P1471802
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1471802
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-W

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°	1906	1906	1906
5°	1908	1903	1914
10°	1905	1902	1911
15°	1899	1895	1904
20°	1886	1885	1893
25°	1870	1866	1869
30°	1838	1834	1838
35°	1798	1796	1797
40°	1752	1746	1751
45°	1699	1694	1697
50°	1643	1635	1623
55°	1546	1528	1523
60°	1403	1356	1358
65°	1232	1171	1169
70°	1066	1017	1006
75°	922	888	868
80°	817	805	769
85°	675	698	658

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1705 cd/sqm

TEST NUMBER: P1471802
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.7
10°-20°	384.9	10.5
20°-30°	579.4	15.8
30°-40°	683.9	18.7
40°-50°	687.8	18.8
50°-60°	580.6	15.9
60°-70°	372.9	10.2
70°-80°	185.5	5.1
80°-90°	50.8	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°	1098.6	30.0
0°-40°	1782.5	48.7
0°-60°	3051.0	83.4
0°-90°	3660.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3660.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1412	1413	1409	1416	1417	134
15°	1363	1364	1360	1367	1367	385
25°	1259	1260	1257	1260	1259	579
35°	1095	1095	1093	1094	1094	684
45°	893	896	890	892	892	689
55°	659	659	652	649	649	586
65°	387	382	368	364	367	386
75°	177	176	171	169	167	192
85°	44	45	45	43	43	51
90°	0	0	0	0	0	

TEST NUMBER: P1471802
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.6	1416.6	1416.6	1416.6	*1416.6*
2.5°	*1416.0*	*1416.6*	*1412.9*	*1419.6*	*1420.7*
5°	1412.5	1412.9	1409.3	1416.0	*1417.0*
7.5°	1405.2	1405.8	1402.6	1408.7	*1409.9*
10°	1394.4	1396.0	1392.3	1398.1	*1399.0*
12.5°	1381.1	1381.7	1377.9	1384.6	*1385.8*
15°	1363.2	1363.5	1360.5	1366.7	*1366.7*
17.5°	1342.4	1343.0	1340.9	1346.2	*1345.6*
20°	1317.4	1318.9	1316.3	1319.8	*1321.9*
22.5°	1290.1	1290.7	1287.5	1292.2	*1294.2*
25°	1259.3	1259.7	1257.2	1259.7	*1258.7*
27.5°	1223.2	1224.2	1220.6	1223.2	*1223.8*
30°	1183.1	1185.7	1180.6	1182.7	*1183.1*
32.5°	1139.9	1141.4	1137.8	1138.4	*1141.0*
35°	1094.7	1095.2	1093.2	1094.1	*1094.1*
37.5°	1045.9	1048.0	1044.8	1046.3	*1044.2*
40°	997.5	995.5	994.3	995.5	*997.0*
42.5°	946.5	947.1	945.6	944.5	*942.0*
45°	893.1	896.3	890.5	891.6	*891.6*
47.5°	840.8	841.1	838.2	835.0	*832.9*
50°	784.7	784.7	781.0	778.5	*775.4*
52.5°	723.4	722.5	718.4	715.8	*717.3*
55°	659.2	658.6	651.5	648.9	*649.4*
57.5°	588.7	589.8	579.0	576.4	*576.4*
60°	521.5	516.2	503.9	500.3	*504.8*
62.5°	450.8	444.7	431.4	431.4	*435.0*
65°	387.1	381.5	367.7	364.0	*367.1*
67.5°	327.5	322.3	309.6	307.5	*308.5*
70°	270.9	266.4	258.6	253.9	*255.6*
72.5°	222.1	218.0	212.8	209.3	*207.2*
75°	177.3	176.4	170.8	169.1	*167.0*
77.5°	140.3	139.9	135.3	133.2	*131.2*
80°	105.4	104.8	103.9	100.7	*99.2*
82.5°	75.1	75.1	74.5	71.9	*70.4*
85°	43.7	45.2	45.2	42.6	*42.6*
87.5°	17.6	18.5	17.6	17.6	*17.0*
90°	0.0	0.0	0.0	0.0	*0.0*

TEST NUMBER: P1471802
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-W

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	13.5	15.1	13.8	15.4	15.7	13.3	14.9	13.7	15.2	15.5
	3H	14.8	16.2	15.2	16.5	16.9	14.6	16.0	14.9	16.3	16.7
	4H	15.2	16.6	15.6	16.9	17.3	15.0	16.3	15.4	16.7	17.0
	6H	15.6	16.8	16.0	17.2	17.6	15.3	16.5	15.7	16.9	17.3
	8H	15.7	16.9	16.1	17.2	17.6	15.4	16.6	15.8	17.0	17.4
	12H	15.7	16.9	16.2	17.3	17.7	15.5	16.6	15.9	17.0	17.4
4H	2H	13.9	15.2	14.3	15.6	16.0	13.8	15.1	14.2	15.5	15.8
	3H	15.4	16.5	15.8	16.9	17.3	15.2	16.3	15.6	16.7	17.1
	4H	16.0	17.0	16.4	17.4	17.8	15.8	16.8	16.2	17.2	17.6
	6H	16.4	17.3	16.9	17.8	18.2	16.2	17.1	16.6	17.5	18.0
	8H	16.6	17.4	17.1	17.9	18.3	16.3	17.2	16.8	17.6	18.1
	12H	16.7	17.4	17.2	17.9	18.4	16.4	17.2	16.9	17.7	18.1
8H	4H	16.2	17.0	16.6	17.4	17.9	16.0	16.8	16.4	17.2	17.7
	6H	16.7	17.4	17.2	17.9	18.4	16.5	17.2	17.0	17.7	18.2
	8H	17.0	17.6	17.5	18.1	18.6	16.7	17.3	17.2	17.8	18.3
	12H	17.1	17.7	17.6	18.2	18.7	16.9	17.4	17.4	17.9	18.5
12H	4H	16.2	16.9	16.7	17.4	17.9	16.0	16.7	16.5	17.2	17.7
	6H	16.8	17.4	17.3	17.9	18.4	16.6	17.2	17.1	17.6	18.2
	8H	17.0	17.6	17.5	18.1	18.6	16.8	17.4	17.3	17.8	18.4

(END OF REPORT)