

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: P1471804

Luminaire Tested: 24PTR-40S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40S-PR1-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

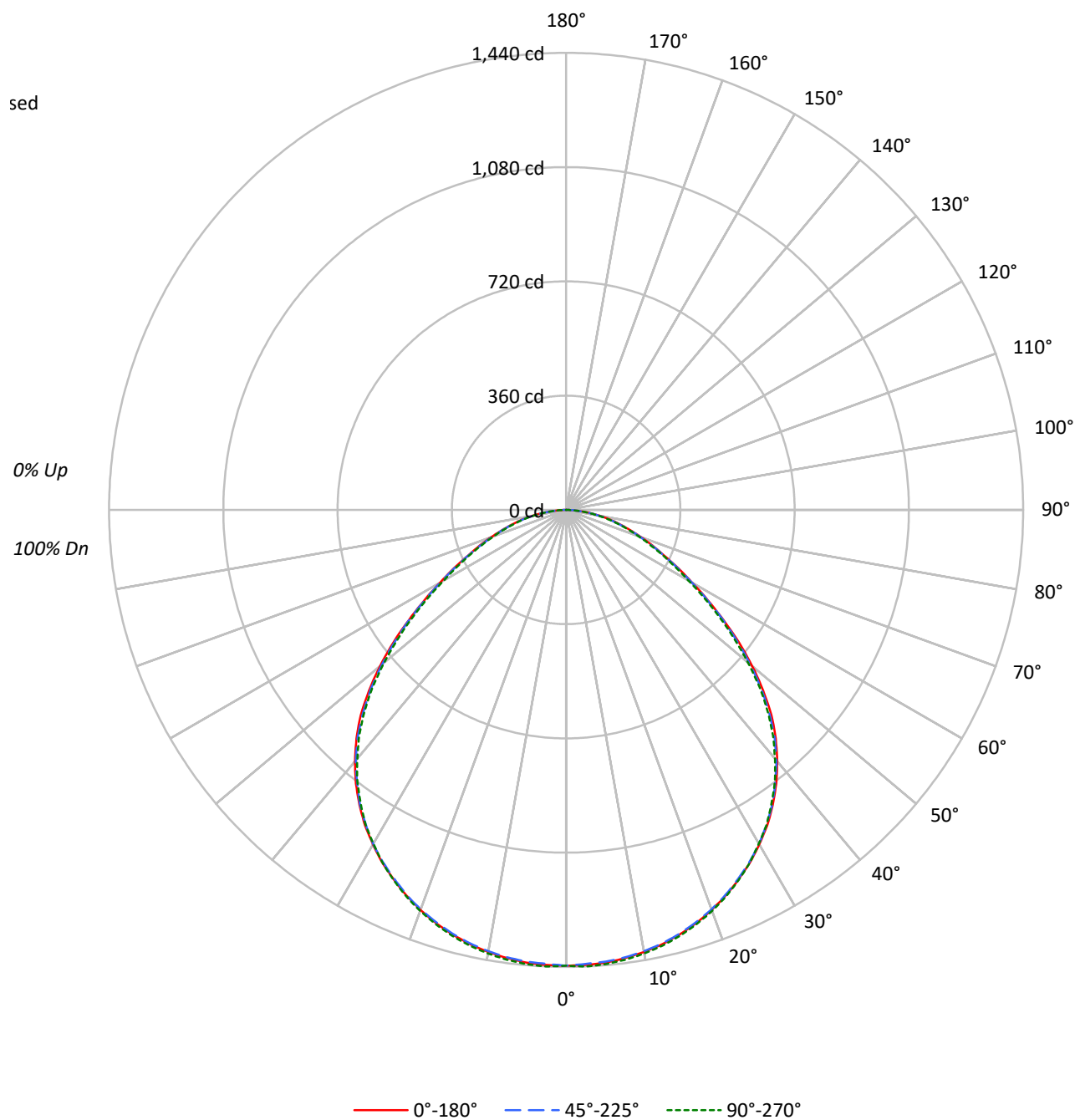
Lumens per Lamp: N/A
Luminaire Lumens: 3631.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1932	1932	1932
5°	1934	1930	1940
10°	1932	1929	1939
15°	1928	1926	1935
20°	1920	1918	1926
25°	1908	1903	1910
30°	1891	1889	1886
35°	1865	1861	1853
40°	1818	1811	1798
45°	1742	1722	1710
50°	1603	1585	1565
55°	1418	1412	1385
60°	1233	1228	1195
65°	1086	1080	1059
70°	986	972	952
75°	913	892	875
80°	833	821	794
85°	658	653	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1742 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.8
10°-20°	390.9	10.8
20°-30°	592.2	16.3
30°-40°	707.0	19.5
40°-50°	695.3	19.1
50°-60°	537.4	14.8
60°-70°	338.9	9.3
70°-80°	183.3	5.0
80°-90°	50.1	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°	1119.4	30.8
0°-40°	1826.4	50.3
0°-60°	3059.1	84.2
0°-90°	3631.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3631.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1432	1432	1429	1435	1436	136
15°	1384	1385	1382	1387	1389	391
25°	1285	1286	1282	1286	1287	592
35°	1135	1136	1133	1131	1128	709
45°	916	912	905	898	899	701
55°	605	610	602	592	590	543
65°	341	342	339	333	332	343
75°	176	174	172	172	168	187
85°	43	43	42	43	41	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1435.9	1435.9	1435.9	1435.9	1435.9
2.5°	1435.3	1435.9	1431.7	1438.5	1440.0
5°	1431.7	1432.3	1428.6	1434.7	1436.4
7.5°	1424.4	1425.6	1422.0	1428.2	1429.7
10°	1414.2	1415.3	1411.7	1417.9	1419.4
12.5°	1401.5	1401.8	1398.8	1404.4	1405.9
15°	1384.4	1384.8	1382.4	1386.9	1388.9
17.5°	1364.8	1365.4	1361.8	1367.4	1368.4
20°	1341.2	1341.6	1339.6	1344.2	1344.8
22.5°	1314.9	1316.0	1312.8	1316.9	1317.5
25°	1285.1	1286.1	1282.0	1286.1	1286.6
27.5°	1253.7	1254.1	1250.6	1253.7	1253.2
30°	1217.1	1220.3	1215.6	1214.5	1214.1
32.5°	1179.1	1179.5	1175.0	1173.9	1175.9
35°	1135.4	1135.7	1132.8	1131.3	1128.1
37.5°	1087.5	1087.5	1081.7	1080.8	1080.2
40°	1035.0	1034.4	1030.8	1027.3	1023.6
42.5°	977.7	978.9	971.6	965.4	964.5
45°	915.5	911.9	905.2	898.1	898.6
47.5°	842.0	842.9	833.8	828.0	826.5
50°	765.7	765.7	757.1	750.9	747.8
52.5°	686.0	686.6	678.4	670.2	668.5
55°	604.7	609.8	602.1	592.4	590.3
57.5°	528.6	532.7	525.4	515.1	514.6
60°	458.1	458.5	456.4	446.7	444.1
62.5°	397.9	395.3	394.2	389.1	385.9
65°	341.2	341.8	339.2	333.4	332.5
67.5°	295.4	294.9	290.2	286.6	284.6
70°	250.6	249.1	247.0	244.0	242.0
72.5°	210.5	210.5	208.9	207.9	204.4
75°	175.6	173.5	171.5	172.4	168.3
77.5°	142.1	140.1	138.4	136.3	135.4
80°	107.5	105.5	106.0	102.8	102.5
82.5°	74.6	74.6	73.7	71.1	71.6
85°	42.6	43.2	42.3	42.6	40.6
87.5°	15.5	15.9	17.0	15.9	15.9
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	12.8	14.4	13.2	14.7	15.0	12.6	14.2	13.0	14.5	14.8
	3H	14.2	15.6	14.5	15.9	16.3	13.9	15.3	14.3	15.7	16.0
	4H	14.7	16.0	15.1	16.3	16.7	14.5	15.8	14.9	16.1	16.5
	6H	15.1	16.3	15.5	16.7	17.1	14.9	16.1	15.3	16.5	16.8
	8H	15.2	16.4	15.6	16.8	17.2	15.0	16.2	15.4	16.5	16.9
	12H	15.3	16.4	15.7	16.8	17.2	15.1	16.2	15.5	16.6	17.0
4H	2H	13.3	14.6	13.7	14.9	15.3	13.1	14.4	13.5	14.7	15.1
	3H	14.8	15.9	15.2	16.3	16.7	14.7	15.8	15.1	16.1	16.6
	4H	15.5	16.5	15.9	16.9	17.3	15.3	16.3	15.7	16.7	17.2
	6H	16.0	16.9	16.5	17.3	17.8	15.8	16.7	16.3	17.1	17.6
	8H	16.2	17.0	16.7	17.5	17.9	16.0	16.8	16.5	17.3	17.7
	12H	16.3	17.0	16.8	17.5	18.0	16.1	16.8	16.6	17.3	17.8
8H	4H	15.7	16.5	16.2	17.0	17.4	15.6	16.4	16.0	16.8	17.3
	6H	16.4	17.1	16.9	17.5	18.0	16.2	16.9	16.7	17.4	17.8
	8H	16.6	17.2	17.1	17.7	18.2	16.5	17.1	17.0	17.6	18.0
	12H	16.8	17.3	17.3	17.8	18.4	16.6	17.2	17.1	17.7	18.2
12H	4H	15.7	16.5	16.2	16.9	17.4	15.6	16.3	16.1	16.8	17.3
	6H	16.4	17.0	17.0	17.5	18.0	16.3	16.9	16.8	17.3	17.9
	8H	16.7	17.3	17.2	17.7	18.3	16.5	17.1	17.1	17.6	18.1

(END OF REPORT)