

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: P1471796

Luminaire Tested: 24PTR-40S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40S-PC3-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

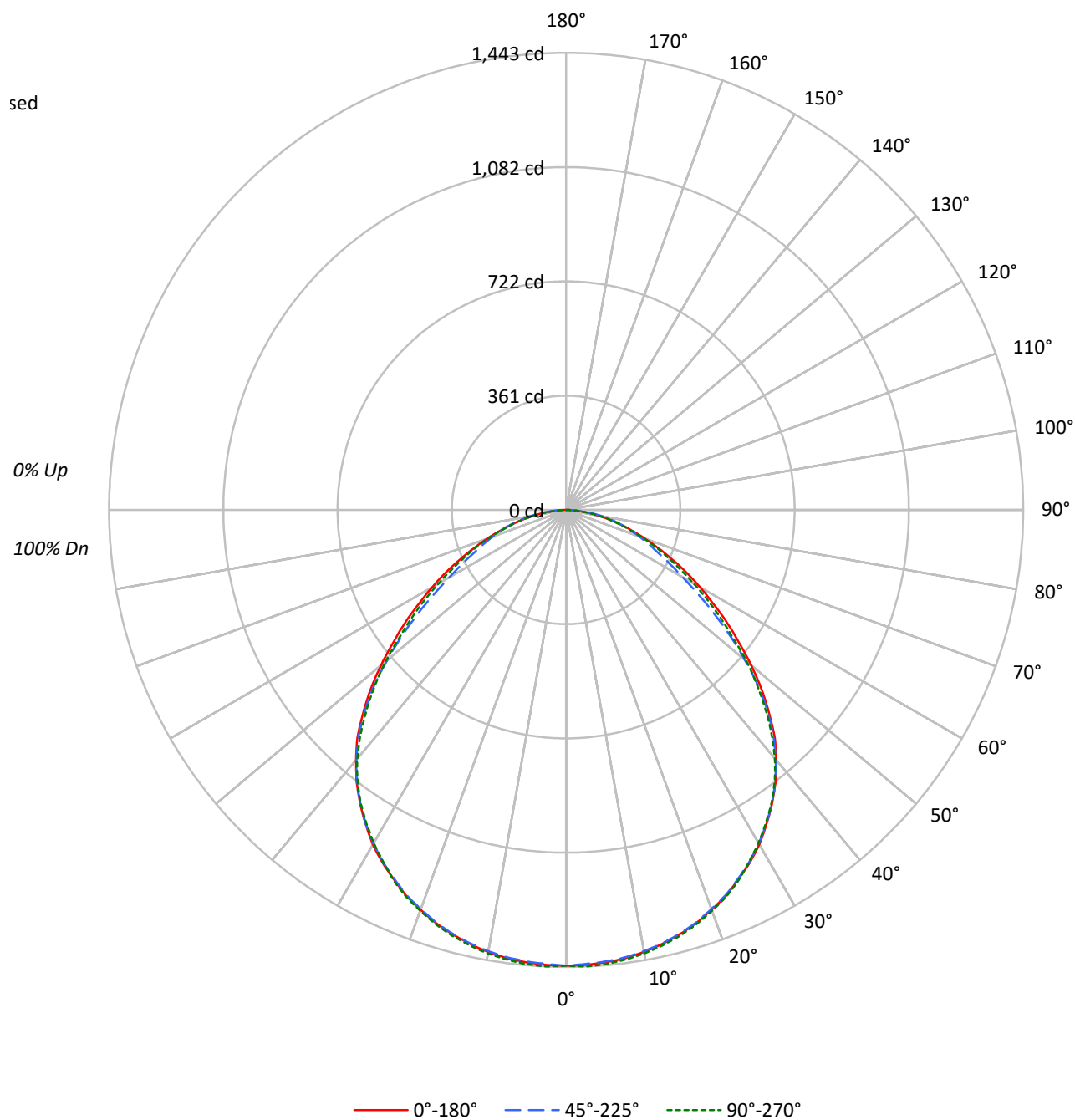
Lumens per Lamp: N/A
Luminaire Lumens: 3627.6 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1936	1936	1936
5°	1937	1933	1944
10°	1937	1933	1943
15°	1932	1930	1938
20°	1923	1920	1929
25°	1910	1907	1915
30°	1896	1890	1886
35°	1862	1860	1856
40°	1812	1810	1801
45°	1724	1711	1693
50°	1595	1542	1559
55°	1456	1338	1398
60°	1313	1141	1252
65°	1174	1021	1126
70°	1041	966	1012
75°	921	936	902
80°	794	894	790
85°	594	707	594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1727 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	3.8
10°-20°	391.7	10.8
20°-30°	593.1	16.3
30°-40°	707.1	19.5
40°-50°	690.9	19.0
50°-60°	528.3	14.6
60°-70°	339.2	9.4
70°-80°	188.7	5.2
80°-90°	52.1	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°	1121.3	30.9
0°-40°	1828.4	50.4
0°-60°	3047.6	84.0
0°-90°	3627.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3627.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1434	1435	1431	1438	1440	136
15°	1387	1388	1385	1390	1392	391
25°	1287	1288	1285	1289	1290	593
35°	1133	1134	1132	1132	1130	708
45°	906	908	899	897	890	697
55°	621	599	570	577	596	555
65°	369	340	321	331	354	368
75°	177	179	180	178	174	189
85°	38	45	46	44	38	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1438.9	1438.9	1438.9	1438.9	1438.9
2.5°	1438.0	1438.5	1434.8	1441.0	1443.0
5°	1433.9	1434.8	1431.2	1438.0	1439.5
7.5°	1427.7	1428.6	1425.1	1431.8	1432.4
10°	1417.4	1418.0	1414.8	1421.5	1422.4
12.5°	1403.6	1405.1	1401.5	1407.7	1408.0
15°	1386.9	1388.0	1385.4	1390.1	1391.6
17.5°	1367.5	1368.0	1365.4	1370.5	1371.0
20°	1343.2	1343.2	1341.1	1346.9	1346.9
22.5°	1318.5	1317.0	1316.4	1318.5	1321.7
25°	1286.7	1288.2	1284.6	1288.7	1289.7
27.5°	1255.8	1255.8	1252.7	1254.7	1252.1
30°	1220.3	1218.3	1216.2	1216.6	1214.1
32.5°	1177.5	1177.5	1176.6	1176.6	1173.4
35°	1133.4	1134.3	1132.2	1131.7	1130.2
37.5°	1085.9	1087.5	1083.8	1082.9	1081.7
40°	1031.8	1031.8	1030.3	1028.3	1025.6
42.5°	975.7	975.7	969.2	963.9	960.4
45°	905.8	907.8	899.1	897.0	889.9
47.5°	836.2	834.7	823.0	821.5	817.3
50°	762.2	753.4	736.6	741.0	744.8
52.5°	688.1	677.3	652.6	657.6	663.8
55°	620.6	599.1	570.3	577.4	595.9
57.5°	550.1	521.3	492.5	506.0	529.0
60°	487.9	455.5	424.1	438.5	465.2
62.5°	428.2	393.8	368.6	382.4	405.0
65°	368.6	340.1	320.7	331.3	353.6
67.5°	314.0	294.9	281.6	286.7	304.6
70°	264.6	252.6	245.5	247.0	257.3
72.5°	217.7	214.7	212.0	212.0	213.0
75°	177.1	178.6	180.1	177.6	173.5
77.5°	139.5	144.5	148.3	143.0	138.0
80°	102.5	110.7	115.4	109.6	101.9
82.5°	69.9	79.3	80.8	77.2	68.4
85°	38.5	45.3	45.8	44.3	38.5
87.5°	14.4	17.0	18.5	17.0	15.0
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	14.3	13.1	14.6	14.9	12.5	14.1	12.9	14.4	14.7
	3H	14.2	15.6	14.6	15.9	16.3	14.0	15.4	14.4	15.7	16.1
	4H	14.7	16.1	15.1	16.4	16.8	14.5	15.9	14.9	16.2	16.6
	6H	15.1	16.4	15.5	16.7	17.1	15.0	16.2	15.4	16.5	16.9
	8H	15.2	16.4	15.7	16.8	17.2	15.1	16.2	15.5	16.6	17.0
	12H	15.3	16.4	15.7	16.8	17.2	15.1	16.3	15.6	16.6	17.1
4H	2H	13.1	14.5	13.5	14.8	15.2	13.0	14.3	13.4	14.6	15.0
	3H	14.8	15.9	15.2	16.3	16.7	14.7	15.8	15.1	16.2	16.6
	4H	15.5	16.5	16.0	16.9	17.4	15.4	16.4	15.8	16.8	17.2
	6H	16.1	16.9	16.5	17.4	17.8	15.9	16.8	16.4	17.2	17.7
	8H	16.2	17.0	16.7	17.5	17.9	16.1	16.9	16.5	17.3	17.8
	12H	16.3	17.1	16.8	17.5	18.0	16.2	16.9	16.7	17.4	17.9
8H	4H	15.8	16.6	16.2	17.0	17.5	15.6	16.5	16.1	16.9	17.4
	6H	16.5	17.1	17.0	17.6	18.1	16.3	17.0	16.8	17.5	18.0
	8H	16.7	17.3	17.2	17.8	18.3	16.6	17.2	17.1	17.7	18.2
	12H	16.9	17.4	17.4	17.9	18.5	16.7	17.3	17.3	17.8	18.3
12H	4H	15.8	16.5	16.3	17.0	17.5	15.7	16.4	16.2	16.9	17.3
	6H	16.5	17.1	17.0	17.6	18.1	16.4	17.0	16.9	17.5	18.0
	8H	16.8	17.3	17.3	17.8	18.4	16.7	17.2	17.2	17.7	18.3

(END OF REPORT)