

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: P1471795

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471795
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-B
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

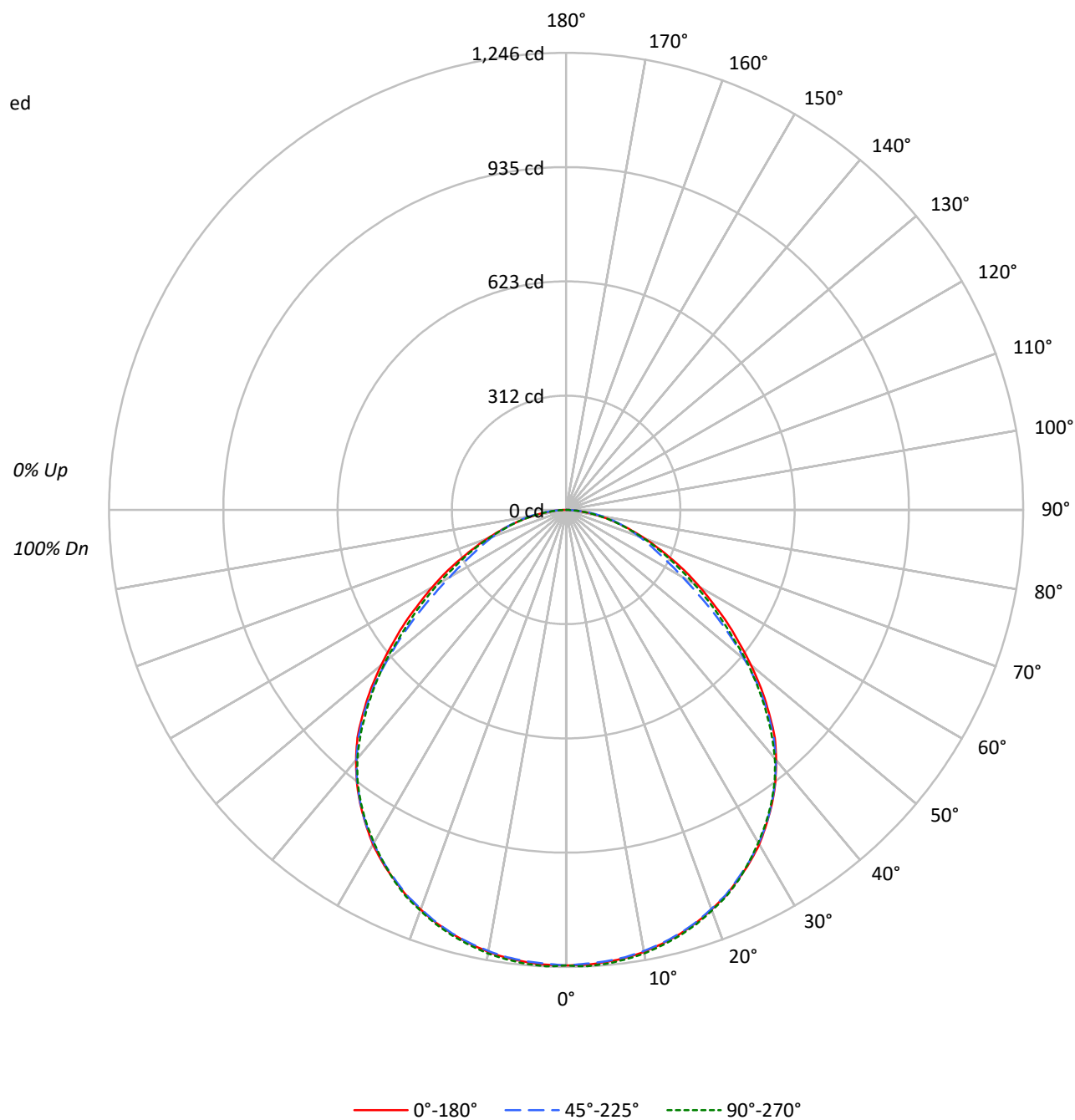
Lumens per Lamp: N/A
Luminaire Lumens: 3131.2 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81
3	92	82	74	68	90	80	73	68	77	71	66		75	70	65		72
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53
7	67	54	46	40	65	53	45	39	52	44	39		50	44	39		49
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	41	34	29	40	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1671	1671	1671
5°	1672	1669	1678
10°	1671	1668	1677
15°	1668	1666	1673
20°	1660	1657	1665
25°	1649	1646	1653
30°	1636	1631	1628
35°	1607	1605	1602
40°	1564	1562	1555
45°	1488	1477	1462
50°	1377	1331	1346
55°	1257	1155	1207
60°	1133	985	1081
65°	1013	881	972
70°	899	834	874
75°	794	808	779
80°	685	772	682
85°	513	610	513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.8
10°-20°	338.1	10.8
20°-30°	511.9	16.3
30°-40°	610.3	19.5
40°-50°	596.4	19.0
50°-60°	456.0	14.6
60°-70°	292.8	9.4
70°-80°	162.9	5.2
80°-90°	45.0	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°	967.9	30.9
0°-40°	1578.2	50.4
0°-60°	2630.6	84.0
0°-90°	3131.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3131.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1242	1242	1242	1242	1242	
5°	1238	1238	1235	1241	1242	118
15°	1197	1198	1196	1200	1201	338
25°	1111	1112	1109	1112	1113	512
35°	978	979	977	977	976	611
45°	782	784	776	774	768	602
55°	536	517	492	498	514	479
65°	318	294	277	286	305	317
75°	153	154	155	153	150	163
85°	33	39	40	38	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.0	1242.0	1242.0	1242.0	1242.0
2.5°	1241.2	1241.7	1238.4	1243.8	1245.5
5°	1237.6	1238.4	1235.4	1241.2	1242.5
7.5°	1232.3	1233.1	1230.1	1235.9	1236.3
10°	1223.4	1223.9	1221.2	1227.0	1227.8
12.5°	1211.5	1212.8	1209.7	1215.0	1215.4
15°	1197.1	1198.1	1195.8	1199.9	1201.2
17.5°	1180.3	1180.8	1178.6	1182.9	1183.4
20°	1159.4	1159.4	1157.6	1162.6	1162.6
22.5°	1138.1	1136.8	1136.3	1138.1	1140.8
25°	1110.6	1111.9	1108.8	1112.4	1113.2
27.5°	1084.0	1084.0	1081.2	1083.0	1080.8
30°	1053.3	1051.5	1049.8	1050.1	1048.0
32.5°	1016.4	1016.4	1015.5	1015.5	1012.8
35°	978.3	979.1	977.3	976.8	975.5
37.5°	937.3	938.7	935.5	934.7	933.7
40°	890.6	890.6	889.3	887.6	885.3
42.5°	842.2	842.2	836.6	832.0	829.0
45°	781.8	783.6	776.0	774.3	768.1
47.5°	721.8	720.5	710.3	709.0	705.5
50°	657.9	650.3	635.8	639.6	642.9
52.5°	594.0	584.6	563.3	567.7	573.0
55°	535.7	517.1	492.3	498.4	514.4
57.5°	474.8	450.0	425.1	436.8	456.6
60°	421.1	393.2	366.1	378.5	401.6
62.5°	369.6	339.9	318.1	330.1	349.6
65°	318.1	293.6	276.8	286.0	305.2
67.5°	271.0	254.5	243.1	247.4	262.9
70°	228.4	218.1	211.9	213.2	222.1
72.5°	187.9	185.3	183.0	183.0	183.8
75°	152.8	154.1	155.4	153.3	149.8
77.5°	120.4	124.8	128.0	123.5	119.1
80°	88.4	95.6	99.6	94.6	88.0
82.5°	60.4	68.4	69.7	66.7	59.1
85°	33.2	39.1	39.5	38.3	33.2
87.5°	12.4	14.7	16.0	14.7	12.9
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	12.2	13.8	12.6	14.1	14.4	12.0	13.6	12.4	13.9	14.2
	3H	13.7	15.1	14.1	15.4	15.8	13.5	14.9	13.9	15.2	15.6
	4H	14.2	15.5	14.6	15.9	16.3	14.0	15.3	14.4	15.7	16.1
	6H	14.6	15.8	15.0	16.2	16.6	14.4	15.7	14.9	16.0	16.4
	8H	14.7	15.9	15.2	16.3	16.7	14.6	15.7	15.0	16.1	16.5
	12H	14.8	15.9	15.2	16.3	16.7	14.6	15.7	15.1	16.1	16.6
4H	2H	12.6	14.0	13.0	14.3	14.7	12.4	13.8	12.8	14.1	14.5
	3H	14.3	15.4	14.7	15.8	16.2	14.1	15.2	14.6	15.6	16.0
	4H	15.0	16.0	15.4	16.4	16.9	14.9	15.8	15.3	16.3	16.7
	6H	15.5	16.4	16.0	16.9	17.3	15.4	16.3	15.9	16.7	17.2
	8H	15.7	16.5	16.2	17.0	17.4	15.6	16.4	16.0	16.8	17.3
	12H	15.8	16.5	16.3	17.0	17.5	15.7	16.4	16.2	16.9	17.4
8H	4H	15.3	16.1	15.7	16.5	17.0	15.1	15.9	15.6	16.4	16.9
	6H	15.9	16.6	16.4	17.1	17.6	15.8	16.5	16.3	17.0	17.5
	8H	16.2	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.2	17.7
	12H	16.4	16.9	16.9	17.4	18.0	16.2	16.8	16.7	17.3	17.8
12H	4H	15.3	16.0	15.8	16.5	17.0	15.2	15.9	15.6	16.4	16.8
	6H	16.0	16.6	16.5	17.1	17.6	15.9	16.5	16.4	17.0	17.5
	8H	16.3	16.8	16.8	17.3	17.9	16.2	16.7	16.7	17.2	17.8

(END OF REPORT)