

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: P1471669

Luminaire Tested: 14PTR-42S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-42S-PL1-L835-UNV-STD-B
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

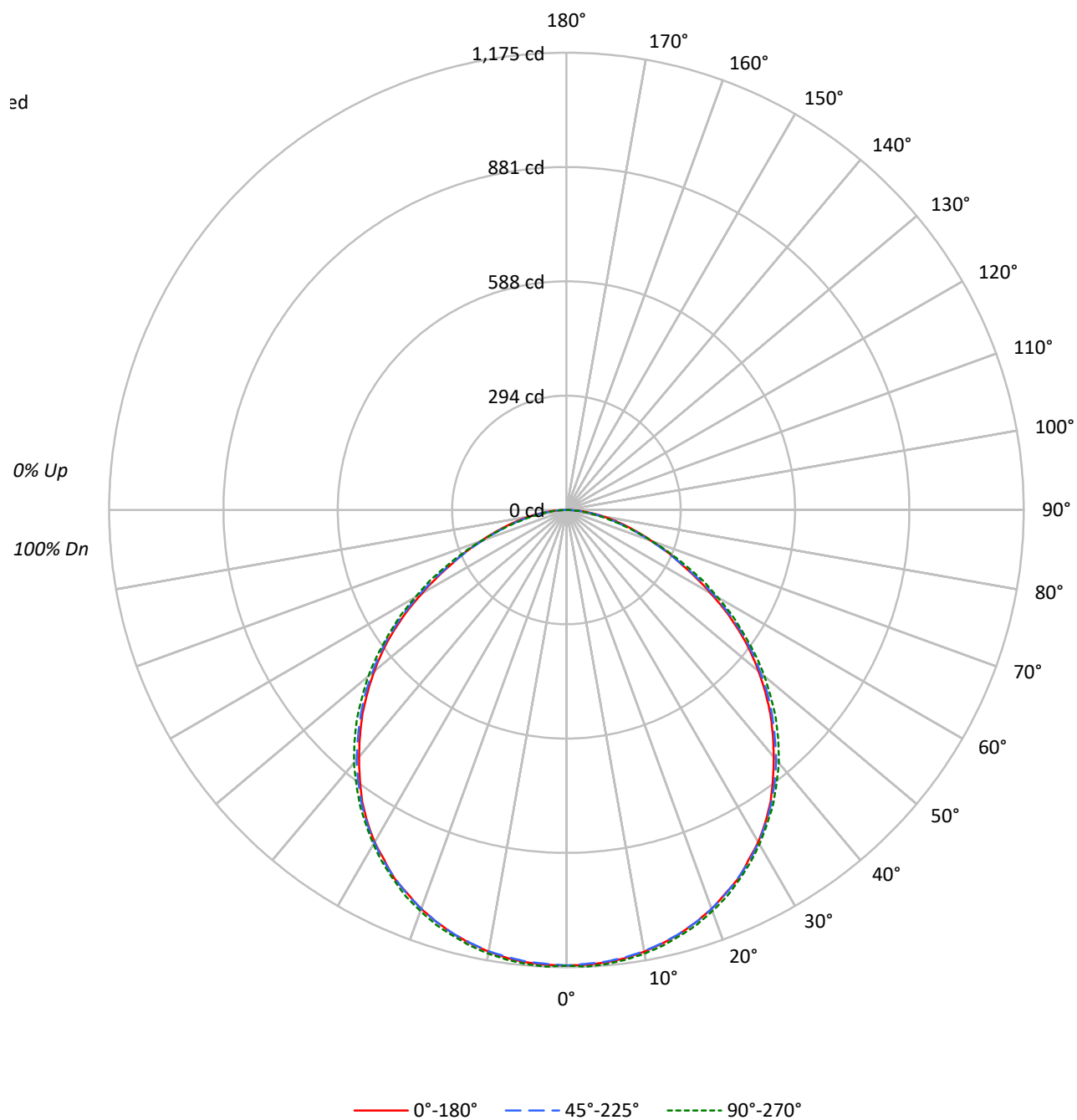
Lumens per Lamp: N/A
Luminaire Lumens: 3085.9 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			94	92	90			91
2	100	92	86	80	97	90	84	79		87	82	77			83	79	75			80
3	91	81	73	67	89	80	72	66		77	70	65			74	69	64			71
4	84	72	64	57	82	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	64	55	49		61	54	49			60	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	65	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3150	3150	3150
5°	3153	3147	3165
10°	3149	3145	3163
15°	3139	3138	3154
20°	3124	3124	3141
25°	3102	3098	3115
30°	3063	3068	3082
35°	3005	3016	3041
40°	2911	2946	2983
45°	2821	2844	2899
50°	2696	2726	2780
55°	2540	2580	2611
60°	2304	2353	2412
65°	2046	2068	2152
70°	1829	1792	1836
75°	1650	1555	1524
80°	1500	1392	1235
85°	1269	1155	994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2899 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	3.6
10°-20°	318.5	10.3
20°-30°	481.8	15.6
30°-40°	574.2	18.6
40°-50°	577.4	18.7
50°-60°	490.1	15.9
60°-70°	326.3	10.6
70°-80°	162.9	5.3
80°-90°	43.6	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°	911.3	29.5
0°-40°	1485.5	48.1
0°-60°	2553.1	82.7
0°-90°	3085.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3085.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1167	1168	1165	1170	1172	111
15°	1127	1128	1126	1131	1132	318
25°	1045	1045	1044	1048	1049	480
35°	915	916	918	925	926	571
45°	741	742	747	757	762	570
55°	541	545	550	555	556	482
65°	321	324	325	330	338	322
75°	159	156	150	146	147	170
85°	41	40	37	35	32	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1169.7	1170.7	1167.5	1173.2	1174.6
5°	1167.2	1167.5	1165.0	1170.2	1171.5
7.5°	1161.5	1162.0	1159.3	1165.0	1165.8
10°	1152.4	1153.3	1151.1	1156.3	1157.6
12.5°	1140.7	1142.0	1139.8	1145.5	1146.4
15°	1126.9	1128.1	1126.4	1131.1	1132.1
17.5°	1109.8	1110.8	1109.8	1114.3	1116.8
20°	1090.8	1090.8	1090.8	1094.7	1096.9
22.5°	1067.0	1069.2	1068.2	1073.4	1075.6
25°	1044.9	1044.9	1043.5	1048.4	1049.2
27.5°	1014.0	1017.5	1017.2	1021.4	1022.4
30°	985.8	986.8	987.2	990.2	992.0
32.5°	951.6	952.4	953.8	958.1	958.5
35°	914.7	915.7	918.2	924.7	925.6
37.5°	871.9	876.6	878.8	885.7	886.5
40°	828.8	831.8	838.5	845.7	849.2
42.5°	785.0	788.5	792.4	802.4	805.5
45°	741.2	742.5	747.4	757.3	761.7
47.5°	692.7	696.6	700.9	709.5	712.2
50°	644.1	648.4	651.1	658.8	664.0
52.5°	595.1	599.1	602.0	606.8	612.0
55°	541.4	545.2	550.0	555.2	556.5
57.5°	486.7	490.9	494.1	499.6	505.3
60°	428.1	432.9	437.2	442.4	448.1
62.5°	373.5	375.6	380.0	388.7	396.8
65°	321.4	324.0	324.8	329.7	337.9
67.5°	278.0	278.0	274.1	275.8	284.9
70°	232.5	230.7	227.7	226.0	233.4
72.5°	195.6	193.4	186.9	183.9	187.9
75°	158.7	156.5	149.6	146.1	146.6
77.5°	127.5	124.0	118.4	112.4	111.1
80°	96.8	95.4	89.8	84.2	79.7
82.5°	68.6	65.6	62.4	58.9	55.5
85°	41.1	40.3	37.4	35.1	32.2
87.5°	16.9	16.9	16.1	15.1	14.3
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	15.2	16.8	15.6	17.1	17.4	15.3	16.9	15.7	17.2	17.6
	3H	16.6	18.0	16.9	18.3	18.7	16.7	18.1	17.1	18.4	18.8
	4H	17.1	18.4	17.5	18.8	19.1	17.1	18.4	17.5	18.8	19.2
	6H	17.5	18.7	17.9	19.1	19.5	17.4	18.6	17.8	19.0	19.4
	8H	17.6	18.8	18.0	19.2	19.6	17.5	18.6	17.9	19.0	19.4
	12H	17.7	18.8	18.1	19.2	19.6	17.5	18.6	17.9	19.0	19.5
4H	2H	15.7	17.0	16.1	17.4	17.8	15.8	17.2	16.2	17.5	17.9
	3H	17.3	18.4	17.7	18.8	19.2	17.3	18.5	17.7	18.9	19.3
	4H	17.9	18.9	18.3	19.3	19.8	17.9	18.9	18.3	19.3	19.7
	6H	18.4	19.3	18.9	19.7	20.2	18.3	19.1	18.7	19.6	20.0
	8H	18.6	19.4	19.0	19.8	20.3	18.4	19.2	18.8	19.6	20.1
	12H	18.7	19.4	19.2	19.9	20.4	18.5	19.2	18.9	19.7	20.1
8H	4H	18.1	18.9	18.6	19.4	19.8	18.1	18.9	18.5	19.3	19.8
	6H	18.7	19.4	19.2	19.9	20.4	18.6	19.2	19.1	19.7	20.2
	8H	19.0	19.6	19.5	20.1	20.6	18.7	19.4	19.3	19.9	20.4
	12H	19.2	19.7	19.7	20.2	20.7	18.9	19.4	19.4	19.9	20.5
12H	4H	18.1	18.9	18.6	19.3	19.8	18.1	18.8	18.6	19.3	19.8
	6H	18.8	19.4	19.3	19.8	20.4	18.6	19.2	19.1	19.7	20.2
	8H	19.0	19.6	19.5	20.1	20.6	18.8	19.4	19.3	19.9	20.4

(END OF REPORT)