

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: P1471717

Luminaire Tested: 22PTR-35S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471717
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: 22PTR-35S-PL1-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

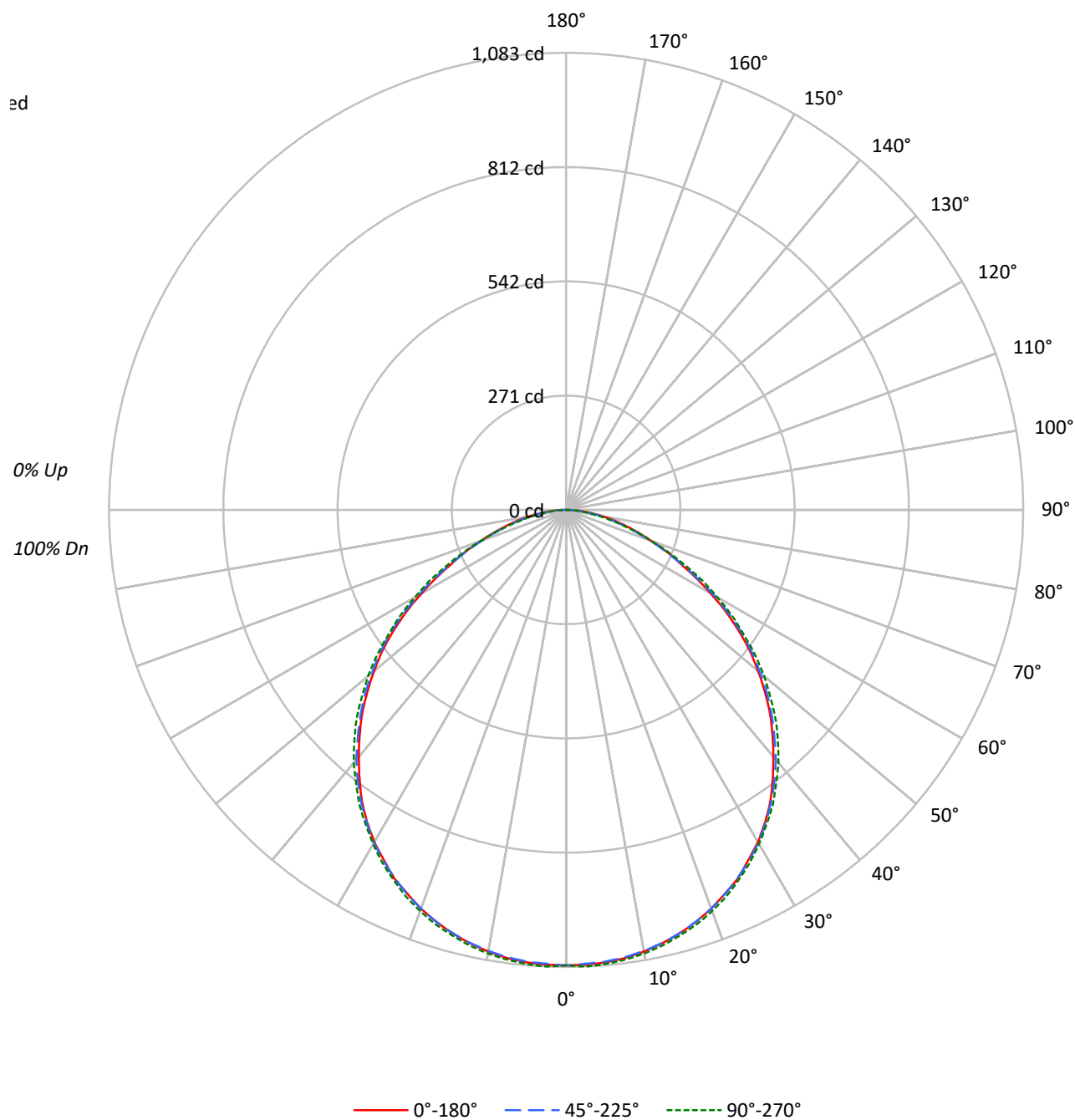
Lumens per Lamp: N/A
Luminaire Lumens: 2845.2 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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	100		100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2905	2905	2905
5°	2907	2902	2918
10°	2903	2900	2916
15°	2895	2893	2908
20°	2880	2880	2896
25°	2860	2857	2872
30°	2824	2828	2842
35°	2771	2781	2803
40°	2684	2716	2750
45°	2601	2622	2673
50°	2486	2513	2563
55°	2342	2379	2407
60°	2124	2169	2223
65°	1887	1907	1984
70°	1686	1652	1693
75°	1521	1434	1405
80°	1382	1283	1139
85°	1170	1062	914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	3.6
10°-20°	293.7	10.3
20°-30°	444.2	15.6
30°-40°	529.5	18.6
40°-50°	532.4	18.7
50°-60°	451.8	15.9
60°-70°	300.9	10.6
70°-80°	150.2	5.3
80°-90°	40.2	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°	840.2	29.5
0°-40°	1369.7	48.1
0°-60°	2353.9	82.7
0°-90°	2845.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2845.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1076	1076	1074	1079	1080	102
15°	1039	1040	1039	1043	1044	293
25°	963	963	962	967	967	443
35°	843	844	847	853	853	526
45°	683	685	689	698	702	526
55°	499	503	507	512	513	445
65°	296	299	300	304	312	297
75°	146	144	138	135	135	157
85°	38	37	34	32	30	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1078.5	1079.4	1076.5	1081.7	1083.0
5°	1076.2	1076.5	1074.2	1078.9	1080.1
7.5°	1071.0	1071.4	1068.9	1074.2	1074.9
10°	1062.5	1063.4	1061.4	1066.2	1067.3
12.5°	1051.8	1052.9	1050.9	1056.1	1057.0
15°	1039.0	1040.1	1038.6	1042.9	1043.8
17.5°	1023.3	1024.2	1023.3	1027.4	1029.7
20°	1005.7	1005.7	1005.7	1009.3	1011.4
22.5°	983.8	985.8	984.9	989.7	991.8
25°	963.4	963.4	962.1	966.6	967.3
27.5°	934.9	938.1	937.8	941.8	942.6
30°	908.9	909.8	910.2	913.0	914.6
32.5°	877.4	878.1	879.4	883.4	883.8
35°	843.4	844.3	846.6	852.6	853.4
37.5°	803.9	808.2	810.3	816.7	817.4
40°	764.2	767.0	773.1	779.7	782.9
42.5°	723.8	727.0	730.6	739.8	742.7
45°	683.4	684.6	689.1	698.2	702.3
47.5°	638.7	642.3	646.2	654.2	656.7
50°	593.9	597.8	600.3	607.4	612.2
52.5°	548.7	552.3	555.1	559.5	564.2
55°	499.1	502.6	507.1	511.9	513.1
57.5°	448.7	452.6	455.6	460.6	465.9
60°	394.7	399.2	403.1	407.9	413.1
62.5°	344.4	346.3	350.3	358.3	365.9
65°	296.3	298.8	299.5	304.0	311.6
67.5°	256.3	256.3	252.7	254.3	262.7
70°	214.3	212.7	210.0	208.4	215.2
72.5°	180.3	178.3	172.3	169.6	173.2
75°	146.3	144.3	137.9	134.7	135.1
77.5°	117.6	114.4	109.1	103.6	102.4
80°	89.2	87.9	82.8	77.6	73.5
82.5°	63.2	60.5	57.5	54.3	51.2
85°	37.9	37.2	34.4	32.4	29.6
87.5°	15.5	15.5	14.8	14.0	13.2
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	14.9	16.5	15.3	16.8	17.1	15.1	16.7	15.4	17.0	17.3
	3H	16.3	17.7	16.7	18.0	18.4	16.4	17.8	16.8	18.2	18.5
	4H	16.8	18.1	17.2	18.5	18.9	16.8	18.2	17.2	18.5	18.9
	6H	17.2	18.4	17.6	18.8	19.2	17.1	18.3	17.5	18.7	19.1
	8H	17.3	18.5	17.7	18.9	19.3	17.2	18.4	17.6	18.8	19.2
	12H	17.4	18.5	17.8	18.9	19.3	17.2	18.4	17.7	18.7	19.2
4H	2H	15.4	16.8	15.8	17.1	17.5	15.5	16.9	15.9	17.2	17.6
	3H	17.0	18.1	17.4	18.5	18.9	17.1	18.2	17.5	18.6	19.0
	4H	17.6	18.6	18.0	19.0	19.5	17.6	18.6	18.0	19.0	19.4
	6H	18.1	19.0	18.6	19.4	19.9	18.0	18.9	18.4	19.3	19.8
	8H	18.3	19.1	18.8	19.6	20.0	18.1	18.9	18.6	19.4	19.8
	12H	18.4	19.2	18.9	19.6	20.1	18.2	18.9	18.7	19.4	19.9
8H	4H	17.8	18.6	18.3	19.1	19.6	17.8	18.6	18.3	19.1	19.5
	6H	18.4	19.1	18.9	19.6	20.1	18.3	19.0	18.8	19.5	19.9
	8H	18.7	19.3	19.2	19.8	20.3	18.5	19.1	19.0	19.6	20.1
	12H	18.9	19.4	19.4	19.9	20.5	18.6	19.1	19.1	19.6	20.2
12H	4H	17.8	18.6	18.3	19.0	19.5	17.8	18.6	18.3	19.0	19.5
	6H	18.5	19.1	19.0	19.6	20.1	18.3	18.9	18.9	19.4	19.9
	8H	18.8	19.3	19.3	19.8	20.4	18.5	19.1	19.1	19.6	20.1

(END OF REPORT)