

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: P1471711

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35S-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

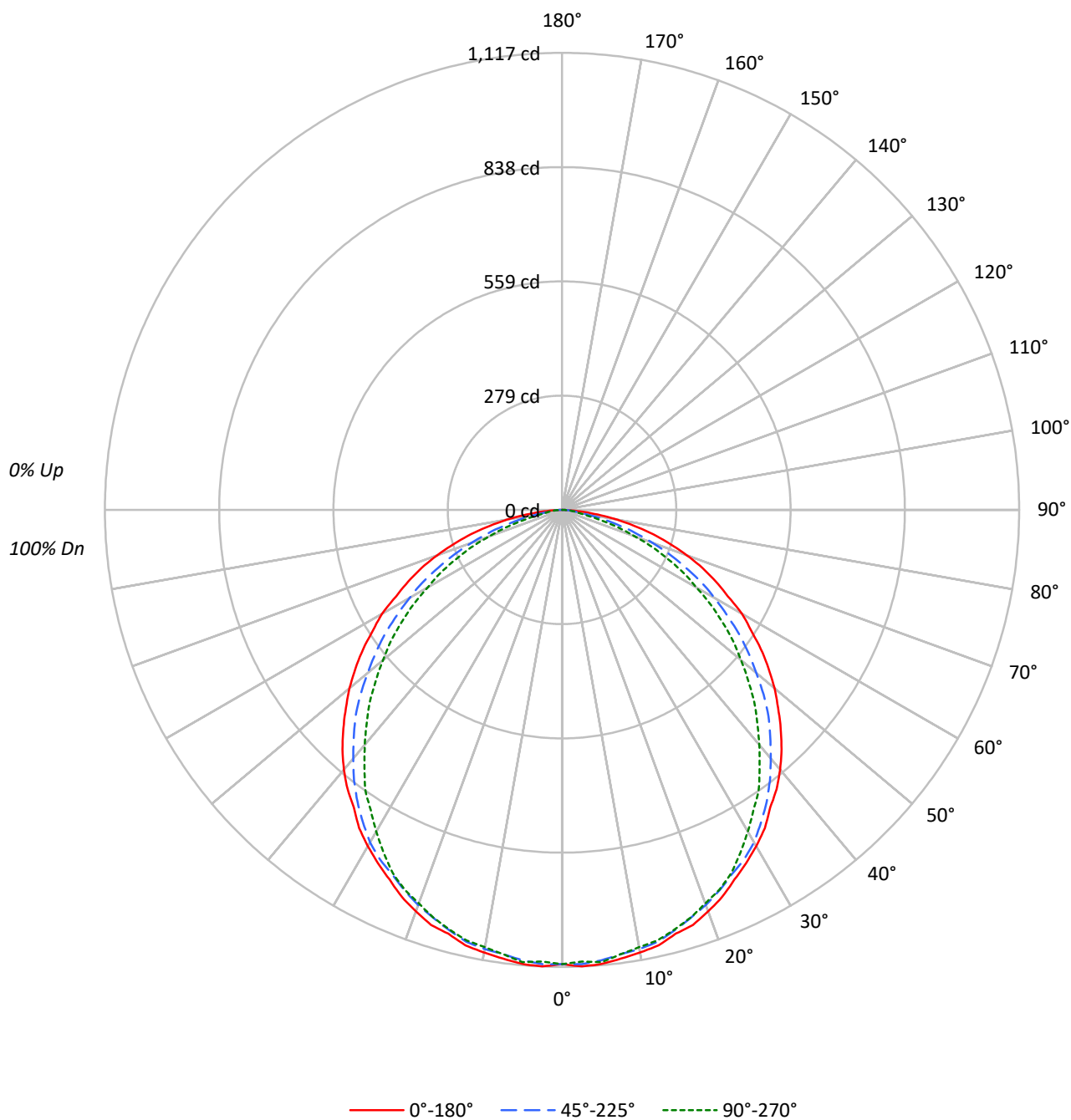
Lumens per Lamp: N/A
Luminaire Lumens: 2956.9 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			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			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2987	2987	2987
5°	3009	2984	2997
10°	3001	2977	2965
15°	2988	2964	2958
20°	2990	2942	2931
25°	2960	2917	2907
30°	2948	2915	2821
35°	2915	2863	2752
40°	2912	2787	2634
45°	2876	2715	2529
50°	2837	2593	2391
55°	2783	2472	2246
60°	2733	2313	2039
65°	2639	2122	1823
70°	2554	1847	1488
75°	2399	1458	1024
80°	2080	882	615
85°	1389	633	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.6
10°-20°	301.1	10.2
20°-30°	454.8	15.4
30°-40°	540.8	18.3
40°-50°	548.5	18.5
50°-60°	476.2	16.1
60°-70°	338.1	11.4
70°-80°	161.6	5.5
80°-90°	30.6	1.0
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°	861.2	29.1
0°-40°	1401.9	47.4
0°-60°	2426.6	82.1
0°-90°	2956.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2956.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1114	1110	1105	1107	1109	106
15°	1072	1075	1064	1062	1062	304
25°	997	996	982	986	979	460
35°	887	886	871	842	838	558
45°	756	749	713	676	664	583
55°	593	575	527	496	479	530
65°	414	384	333	298	286	411
75°	231	188	140	111	98	242
85°	45	24	20	20	19	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.1	1110.1	1110.1	1110.1	1110.1
2.5°	1116.7	1112.7	1111.4	1116.0	1104.8
5°	1114.1	1110.1	1104.8	1107.4	1109.4
7.5°	1106.1	1102.8	1095.5	1101.5	1095.5
10°	1098.2	1094.9	1089.6	1091.6	1085.0
12.5°	1090.3	1082.3	1081.0	1082.3	1077.7
15°	1072.4	1075.1	1063.8	1062.5	1061.8
17.5°	1063.8	1057.2	1045.3	1046.0	1044.6
20°	1044.0	1036.0	1027.4	1026.1	1023.5
22.5°	1023.5	1014.2	1006.3	1010.3	1004.3
25°	997.0	995.7	982.5	986.5	979.2
27.5°	973.9	969.3	963.3	954.7	944.1
30°	948.8	944.1	938.2	915.7	907.8
32.5°	922.3	917.0	905.1	878.7	870.1
35°	887.3	886.0	871.4	841.7	837.7
37.5°	860.8	846.3	834.4	804.0	792.7
40°	829.1	821.2	793.4	764.3	749.8
42.5°	794.1	784.8	753.1	722.0	706.1
45°	755.7	749.1	713.4	675.7	664.5
47.5°	716.0	710.1	667.8	631.4	616.9
50°	677.7	670.4	619.5	584.5	571.2
52.5°	636.0	624.1	573.9	539.5	526.9
55°	593.1	575.2	526.9	495.9	478.7
57.5°	547.4	530.9	477.4	445.0	431.1
60°	507.8	484.6	429.8	396.7	378.8
62.5°	456.9	437.0	384.8	345.8	337.2
65°	414.5	383.5	333.2	297.5	286.3
67.5°	371.6	335.2	284.3	247.9	242.0
70°	324.6	286.9	234.7	199.0	189.1
72.5°	277.0	240.0	189.1	151.4	145.5
75°	230.7	188.4	140.2	111.1	98.5
77.5°	180.5	142.2	98.5	68.1	60.2
80°	134.2	95.9	56.9	40.3	39.7
82.5°	87.9	55.5	30.4	31.1	29.8
85°	45.0	23.8	20.5	19.8	19.2
87.5°	8.6	9.3	9.9	9.9	9.9
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	15.9	17.5	16.3	17.9	18.2	14.6	16.2	15.0	16.5	16.9
	3H	17.8	19.2	18.2	19.5	19.9	15.9	17.3	16.3	17.7	18.0
	4H	18.5	19.8	18.9	20.2	20.5	16.2	17.5	16.6	17.9	18.3
	6H	18.9	20.2	19.4	20.6	21.0	16.3	17.5	16.7	17.9	18.3
	8H	19.1	20.3	19.5	20.7	21.1	16.3	17.5	16.7	17.9	18.3
	12H	19.1	20.3	19.6	20.7	21.1	16.3	17.4	16.7	17.8	18.2
4H	2H	16.4	17.7	16.8	18.1	18.4	15.3	16.6	15.7	17.0	17.4
	3H	18.4	19.5	18.8	19.9	20.3	16.7	17.9	17.1	18.3	18.7
	4H	19.2	20.2	19.6	20.6	21.0	17.1	18.1	17.5	18.5	19.0
	6H	19.8	20.6	20.2	21.1	21.5	17.2	18.1	17.7	18.5	19.0
	8H	19.9	20.8	20.4	21.2	21.7	17.2	18.1	17.7	18.5	19.0
	12H	20.0	20.8	20.5	21.2	21.7	17.3	18.0	17.7	18.5	18.9
8H	4H	19.3	20.1	19.7	20.5	21.0	17.4	18.2	17.8	18.6	19.1
	6H	19.9	20.6	20.4	21.1	21.6	17.5	18.2	18.0	18.7	19.2
	8H	20.1	20.7	20.6	21.2	21.7	17.6	18.2	18.1	18.7	19.2
	12H	20.2	20.8	20.8	21.3	21.8	17.6	18.1	18.1	18.6	19.2
12H	4H	19.3	20.0	19.7	20.5	20.9	17.4	18.1	17.9	18.6	19.1
	6H	19.9	20.5	20.4	21.0	21.5	17.5	18.2	18.1	18.6	19.2
	8H	20.1	20.7	20.6	21.1	21.7	17.6	18.1	18.1	18.6	19.2

(END OF REPORT)