

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: P1471721

Luminaire Tested: 22PTR-35S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35S-PP3-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

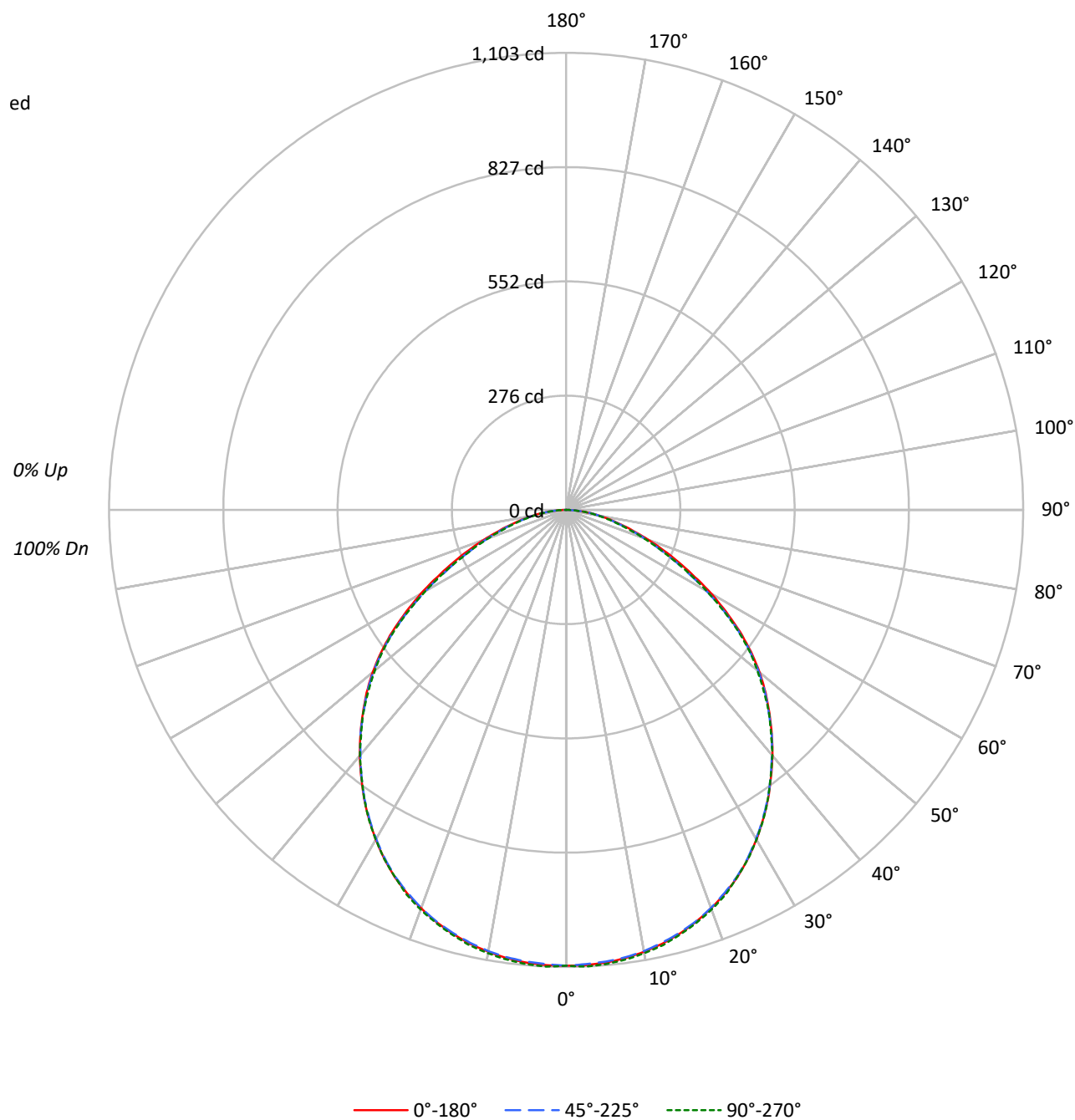
Lumens per Lamp: N/A
Luminaire Lumens: 2842.4 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1471721

CATALOG NUMBER: 22PTR-35S-PP3-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471721

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97	107	103	99	96		99	96	93		95	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	78		84	79	76		81	77	74
3	92	81	74	67	89	80	73	67		77	71	66		74	69	65		72	67	63
4	84	73	64	58	82	71	63	57		69	62	56		66	60	56		64	59	55
5	77	65	56	50	75	64	56	50		62	55	49		60	54	49		58	52	48
6	72	59	50	44	70	58	50	44		56	49	43		54	48	43		53	47	42
7	66	53	45	39	65	52	44	39		51	44	38		50	43	38		48	42	38
8	62	49	40	35	60	48	40	35		47	39	34		45	39	34		44	38	34
9	58	45	37	31	57	44	36	31		43	36	31		42	35	31		41	35	31
10	54	41	34	28	53	41	33	28		40	33	28		39	33	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2960	2960	2960
5°	2963	2956	2972
10°	2959	2954	2969
15°	2949	2944	2957
20°	2930	2927	2940
25°	2904	2899	2902
30°	2855	2849	2855
35°	2793	2789	2791
40°	2721	2713	2720
45°	2640	2632	2635
50°	2551	2539	2521
55°	2402	2373	2366
60°	2180	2106	2110
65°	1914	1818	1815
70°	1655	1580	1562
75°	1432	1379	1349
80°	1268	1251	1193
85°	1050	1084	1022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2649 cd/sqm

TEST NUMBER: P1471721

CATALOG NUMBER: 22PTR-35S-PP3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	3.7
10°-20°	298.9	10.5
20°-30°	450.0	15.8
30°-40°	531.1	18.7
40°-50°	534.1	18.8
50°-60°	450.9	15.9
60°-70°	289.6	10.2
70°-80°	144.0	5.1
80°-90°	39.5	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°	853.2	30.0
0°-40°	1384.3	48.7
0°-60°	2369.3	83.4
0°-90°	2842.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1097	1097	1094	1100	1100	104
15°	1059	1059	1057	1061	1061	299
25°	978	978	976	978	978	450
35°	850	850	849	850	850	531
45°	694	696	692	692	692	535
55°	512	512	506	504	504	455
65°	301	296	286	283	285	300
75°	138	137	133	131	130	149
85°	34	35	35	33	33	40
90°	0	0	0	0	0	

TEST NUMBER: P1471721

CATALOG NUMBER: 22PTR-35S-PP3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.1	1100.1	1100.1	1100.1	1100.1
2.5°	1099.7	1100.1	1097.2	1102.4	1103.3
5°	1096.9	1097.2	1094.4	1099.7	1100.4
7.5°	1091.3	1091.7	1089.2	1094.0	1094.9
10°	1082.8	1084.1	1081.2	1085.7	1086.5
12.5°	1072.5	1073.0	1070.1	1075.3	1076.2
15°	1058.6	1058.9	1056.6	1061.4	1061.4
17.5°	1042.5	1042.9	1041.3	1045.4	1045.0
20°	1023.1	1024.2	1022.2	1024.9	1026.5
22.5°	1001.9	1002.3	999.8	1003.5	1005.1
25°	977.9	978.2	976.3	978.2	977.5
27.5°	949.9	950.7	947.9	949.9	950.4
30°	918.7	920.8	916.9	918.4	918.7
32.5°	885.2	886.4	883.6	884.1	886.1
35°	850.1	850.5	848.9	849.7	849.7
37.5°	812.2	813.8	811.4	812.5	810.9
40°	774.7	773.1	772.2	773.1	774.2
42.5°	735.0	735.5	734.3	733.5	731.6
45°	693.6	696.0	691.5	692.4	692.4
47.5°	652.9	653.2	650.9	648.4	646.8
50°	609.4	609.4	606.5	604.6	602.1
52.5°	561.8	561.1	557.9	555.9	557.0
55°	511.9	511.5	505.9	503.9	504.3
57.5°	457.2	458.1	449.6	447.6	447.6
60°	405.0	400.9	391.3	388.6	392.0
62.5°	350.1	345.3	335.0	335.0	337.8
65°	300.6	296.3	285.5	282.6	285.1
67.5°	254.4	250.3	240.4	238.8	239.6
70°	210.4	206.9	200.8	197.2	198.5
72.5°	172.5	169.3	165.3	162.5	160.9
75°	137.7	137.0	132.6	131.3	129.7
77.5°	109.0	108.7	105.0	103.5	101.9
80°	81.8	81.4	80.7	78.2	77.0
82.5°	58.3	58.3	57.9	55.9	54.7
85°	34.0	35.1	35.1	33.1	33.1
87.5°	13.6	14.4	13.6	13.6	13.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471721

CATALOG NUMBER: 22PTR-35S-PP3-L835-UNV-STD-B

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	15.0	16.6	15.4	16.9	17.2	14.9	16.4	15.2	16.8	17.1
	3H	16.3	17.7	16.7	18.1	18.4	16.1	17.5	16.5	17.8	18.2
	4H	16.8	18.1	17.2	18.5	18.8	16.5	17.9	16.9	18.2	18.6
	6H	17.1	18.3	17.5	18.7	19.1	16.8	18.1	17.2	18.4	18.8
	8H	17.2	18.4	17.6	18.8	19.2	16.9	18.1	17.4	18.5	18.9
	12H	17.3	18.4	17.7	18.8	19.2	17.0	18.1	17.4	18.5	18.9
4H	2H	15.4	16.8	15.8	17.1	17.5	15.3	16.6	15.7	17.0	17.4
	3H	16.9	18.1	17.4	18.5	18.9	16.7	17.9	17.2	18.3	18.7
	4H	17.5	18.5	17.9	18.9	19.4	17.3	18.3	17.7	18.7	19.1
	6H	18.0	18.8	18.4	19.3	19.7	17.7	18.6	18.2	19.0	19.5
	8H	18.1	18.9	18.6	19.4	19.8	17.9	18.7	18.3	19.1	19.6
	12H	18.2	19.0	18.7	19.4	19.9	18.0	18.7	18.5	19.2	19.7
8H	4H	17.7	18.5	18.2	19.0	19.4	17.5	18.3	18.0	18.8	19.2
	6H	18.3	18.9	18.8	19.4	19.9	18.0	18.7	18.5	19.2	19.7
	8H	18.5	19.1	19.0	19.6	20.1	18.3	18.9	18.8	19.4	19.9
	12H	18.7	19.2	19.2	19.7	20.3	18.4	19.0	18.9	19.4	20.0
12H	4H	17.7	18.5	18.2	18.9	19.4	17.5	18.3	18.0	18.7	19.2
	6H	18.3	18.9	18.8	19.4	19.9	18.1	18.7	18.6	19.2	19.7
	8H	18.6	19.1	19.1	19.6	20.2	18.3	18.9	18.8	19.4	19.9

(END OF REPORT)