Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471723

Luminaire Tested: 22PTR-35S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

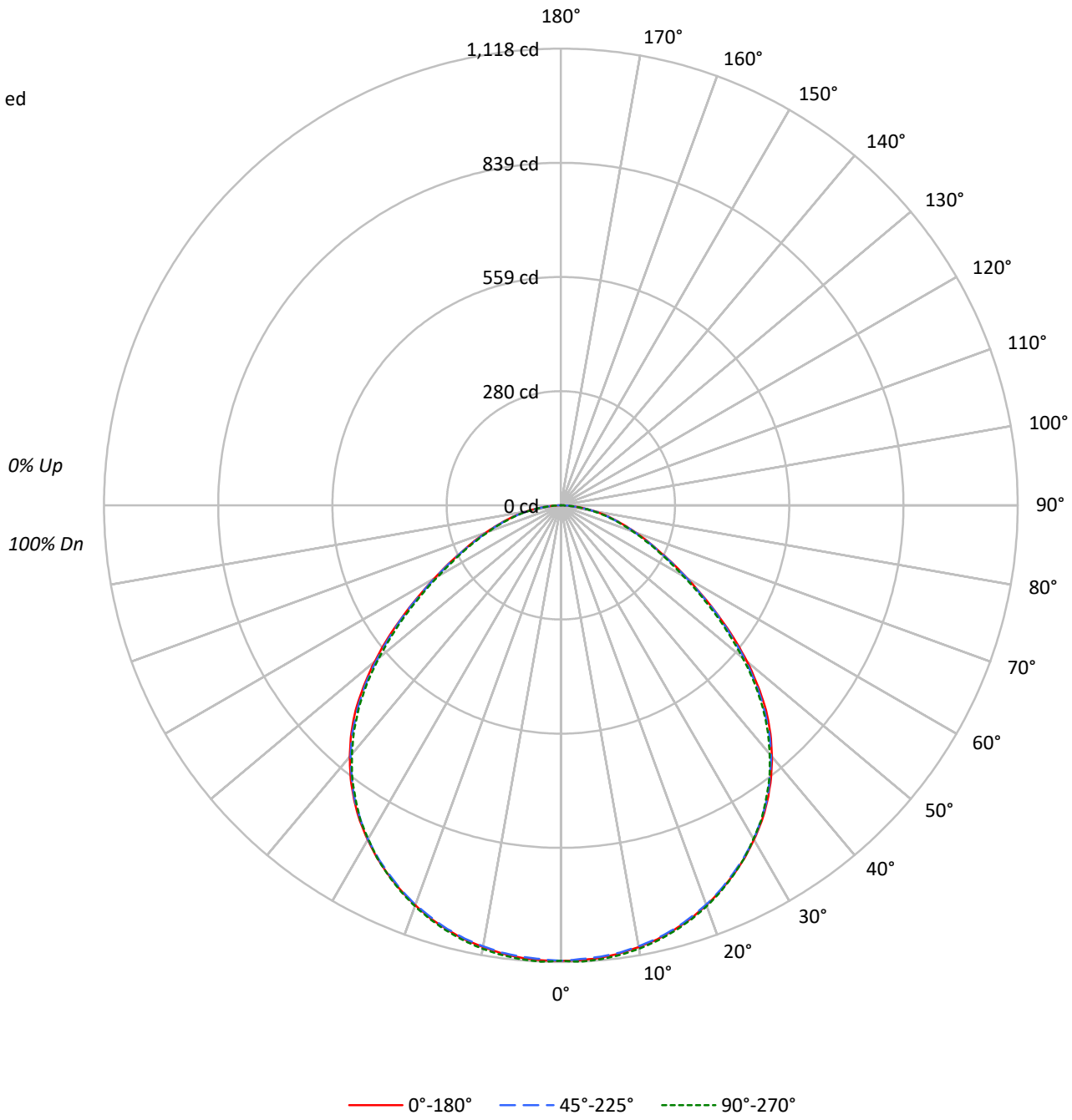
Test Method:	LM-79-2019
Report Number:	P1471723
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-35S-PR1-L835-UNV-STD-B
Description:	3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2820.0 lumens
Efficiency:	N/A
Efficacy:	101.1 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 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: P1471723
CATALOG NUMBER: 22PTR-35S-PR1-L835-UNV-STD-B

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3001	3001	3001
5°	3004	2997	3013
10°	3001	2996	3012
15°	2995	2991	3005
20°	2983	2979	2991
25°	2963	2956	2967
30°	2937	2933	2930
35°	2896	2890	2878
40°	2823	2812	2792
45°	2705	2675	2656
50°	2489	2462	2431
55°	2203	2194	2151
60°	1915	1908	1856
65°	1687	1677	1644
70°	1531	1509	1478
75°	1418	1385	1359
80°	1294	1275	1234
85°	1022	1013	973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2705 cd/sqm

TEST NUMBER: P1471723
CATALOG NUMBER: 22PTR-35S-PR1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.8
10°-20°	303.6	10.8
20°-30°	459.9	16.3
30°-40°	549.0	19.5
40°-50°	540.0	19.1
50°-60°	417.3	14.8
60°-70°	263.2	9.3
70°-80°	142.4	5.0
80°-90°	38.9	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°	869.3	30.8
0°-40°	1418.3	50.3
0°-60°	2375.6	84.2
0°-90°	2820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1112	1112	1109	1114	1116	106
15°	1075	1075	1074	1077	1079	303
25°	998	999	996	999	999	460
35°	882	882	880	878	876	551
45°	711	708	703	697	698	544
55°	470	474	468	460	458	421
65°	265	265	263	259	258	267
75°	136	135	133	134	131	145
85°	33	34	33	33	32	39
90°	0	0	0	0	0	

TEST NUMBER: P1471723
CATALOG NUMBER: 22PTR-35S-PR1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.1	1115.1	1115.1	1115.1	*1115.1*
2.5°	*1114.6*	*1115.1*	*1111.9*	*1117.1*	*1118.3*
5°	1111.9	1112.3	1109.4	1114.2	*1115.5*
7.5°	1106.2	1107.1	1104.3	1109.1	*1110.3*
10°	1098.2	1099.1	1096.3	1101.1	*1102.3*
12.5°	1088.3	1088.6	1086.3	1090.7	*1091.8*
15°	1075.1	1075.4	1073.5	1077.0	*1078.6*
17.5°	1059.9	1060.3	1057.6	1061.9	*1062.6*
20°	1041.6	1041.9	1040.3	1043.9	*1044.3*
22.5°	1021.1	1022.0	1019.5	1022.7	*1023.1*
25°	998.0	998.7	995.6	998.7	*999.2*
27.5°	973.6	973.9	971.2	973.6	*973.2*
30°	945.2	947.6	944.0	943.1	*942.8*
32.5°	915.7	916.0	912.5	911.6	*913.2*
35°	881.7	882.0	879.7	878.5	*876.0*
37.5°	844.5	844.5	840.0	839.3	*838.9*
40°	803.7	803.3	800.5	797.8	*794.9*
42.5°	759.3	760.2	754.5	749.7	*749.0*
45°	710.9	708.2	703.0	697.4	*697.9*
47.5°	653.9	654.6	647.5	643.0	*641.8*
50°	594.6	594.6	588.0	583.2	*580.7*
52.5°	532.8	533.2	526.8	520.4	*519.1*
55°	469.6	473.5	467.6	460.0	*458.4*
57.5°	410.5	413.7	408.0	400.1	*399.6*
60°	355.8	356.1	354.5	346.9	*344.9*
62.5°	309.0	307.0	306.1	302.2	*299.7*
65°	265.0	265.4	263.4	258.9	*258.2*
67.5°	229.4	229.0	225.4	222.6	*221.0*
70°	194.6	193.4	191.8	189.5	*187.9*
72.5°	163.5	163.5	162.2	161.5	*158.7*
75°	136.4	134.8	133.2	133.9	*130.7*
77.5°	110.4	108.8	107.5	105.9	*105.1*
80°	83.5	81.9	82.3	79.9	*79.6*
82.5°	57.9	57.9	57.2	55.2	*55.6*
85°	33.1	33.5	32.8	33.1	*31.5*
87.5°	12.1	12.3	13.2	12.3	*12.3*
90°	0.0	0.0	0.0	0.0	*0.0*

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CATALOG NUMBER: 22PTR-35S-PR1-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	14.3	15.9	14.7	16.2	16.5	14.1	15.7	14.5	16.0	16.3
	3H	15.7	17.1	16.1	17.4	17.8	15.5	16.9	15.8	17.2	17.6
	4H	16.2	17.5	16.6	17.9	18.3	16.0	17.3	16.4	17.7	18.0
	6H	16.6	17.8	17.0	18.2	18.6	16.4	17.6	16.8	18.0	18.4
	8H	16.8	17.9	17.2	18.3	18.7	16.5	17.7	16.9	18.1	18.5
	12H	16.8	17.9	17.3	18.3	18.8	16.6	17.7	17.0	18.1	18.5
4H	2H	14.8	16.1	15.2	16.5	16.8	14.6	15.9	15.0	16.3	16.7
	3H	16.4	17.5	16.8	17.9	18.3	16.2	17.3	16.6	17.7	18.1
	4H	17.0	18.0	17.4	18.4	18.9	16.8	17.8	17.3	18.2	18.7
	6H	17.6	18.4	18.0	18.9	19.3	17.4	18.2	17.8	18.7	19.1
	8H	17.7	18.5	18.2	19.0	19.5	17.5	18.3	18.0	18.8	19.3
	12H	17.9	18.6	18.3	19.1	19.5	17.7	18.4	18.1	18.9	19.3
8H	4H	17.3	18.1	17.7	18.5	19.0	17.1	17.9	17.6	18.4	18.8
	6H	17.9	18.6	18.4	19.1	19.5	17.7	18.4	18.2	18.9	19.4
	8H	18.2	18.8	18.7	19.3	19.8	18.0	18.6	18.5	19.1	19.6
	12H	18.3	18.9	18.9	19.4	19.9	18.2	18.7	18.7	19.2	19.7
12H	4H	17.3	18.0	17.8	18.5	18.9	17.1	17.8	17.6	18.3	18.8
	6H	18.0	18.6	18.5	19.0	19.6	17.8	18.4	18.3	18.9	19.4
	8H	18.3	18.8	18.8	19.3	19.8	18.1	18.6	18.6	19.1	19.7

(END OF REPORT)