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: P1471679

Luminaire Tested: 22PTR-20S-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

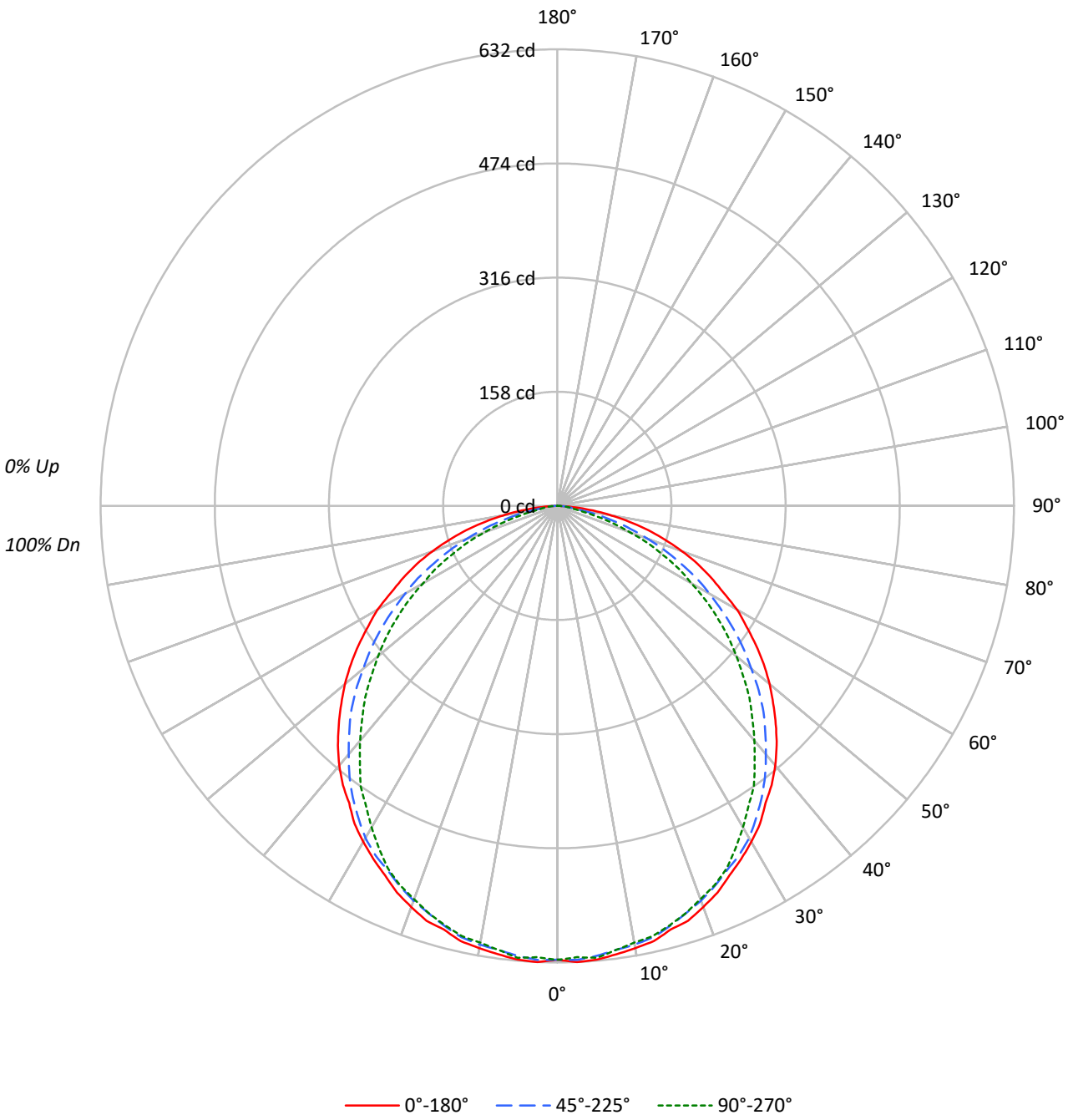
Test Method:	LM-79-2019
Report Number:	P1471679
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-20S-L835-UNV-STD-B
Description:	2000 LUMEN 2X2 PERCEIVE 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:	1673.6 lumens
Efficiency:	N/A
Efficacy:	110.8 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):	15.1
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: P1471679
CATALOG NUMBER: 22PTR-20S-L835-UNV-STD-B

Luminous Intensity Polar Plot



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CATALOG NUMBER: 22PTR-20S-L835-UNV-STD-B

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1691	1691	1691
5°	1703	1689	1696
10°	1699	1685	1678
15°	1691	1677	1674
20°	1692	1665	1659
25°	1676	1651	1646
30°	1669	1650	1597
35°	1650	1620	1557
40°	1649	1578	1491
45°	1628	1537	1431
50°	1606	1468	1353
55°	1575	1399	1271
60°	1547	1309	1154
65°	1494	1201	1032
70°	1445	1045	842
75°	1358	824	580
80°	1178	499	349
85°	784	358	337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1628 cd/sqm

TEST NUMBER: P1471679
CATALOG NUMBER: 22PTR-20S-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	3.6
10°-20°	170.4	10.2
20°-30°	257.4	15.4
30°-40°	306.1	18.3
40°-50°	310.4	18.5
50°-60°	269.6	16.1
60°-70°	191.3	11.4
70°-80°	91.4	5.5
80°-90°	17.3	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°	487.4	29.1
0°-40°	793.5	47.4
0°-60°	1373.5	82.1
0°-90°	1673.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1673.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	631	628	625	627	628	60
15°	607	608	602	601	601	172
25°	564	564	556	558	554	261
35°	502	502	493	476	474	316
45°	428	424	404	382	376	330
55°	336	326	298	281	271	300
65°	235	217	189	168	162	232
75°	131	107	79	63	56	137
85°	25	14	12	11	11	32
90°	0	0	0	0	0	

TEST NUMBER: P1471679
CATALOG NUMBER: 22PTR-20S-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*628.3*	628.3	628.3	628.3	628.3
2.5°	*632.1*	*629.8*	*629.1*	*631.7*	*625.3*
5°	*630.6*	628.3	625.3	626.8	627.9
7.5°	*626.1*	624.2	620.1	623.4	620.1
10°	*621.6*	619.7	616.7	617.8	614.1
12.5°	*617.1*	612.6	611.8	612.6	610.0
15°	*607.0*	608.5	602.1	601.4	601.0
17.5°	*602.1*	598.4	591.6	592.0	591.3
20°	*590.9*	586.4	581.5	580.8	579.3
22.5°	*579.3*	574.1	569.6	571.8	568.4
25°	*564.3*	563.6	556.1	558.3	554.2
27.5°	*551.2*	548.6	545.2	540.4	534.4
30°	*537.0*	534.4	531.0	518.3	513.8
32.5°	*522.0*	519.0	512.3	497.3	492.5
35°	*502.2*	501.5	493.2	476.4	474.1
37.5°	*487.2*	479.0	472.3	455.1	448.7
40°	*469.3*	464.8	449.1	432.6	424.4
42.5°	*449.4*	444.2	426.2	408.6	399.7
45°	*427.7*	424.0	403.8	382.5	376.1
47.5°	*405.3*	401.9	378.0	357.4	349.1
50°	*383.6*	379.5	350.6	330.8	323.3
52.5°	*360.0*	353.3	324.8	305.4	298.3
55°	*335.7*	325.6	298.3	280.7	270.9
57.5°	*309.9*	300.5	270.2	251.8	244.0
60°	*287.4*	274.3	243.2	224.5	214.4
62.5°	*258.6*	247.4	217.8	195.7	190.9
65°	*234.6*	217.0	188.6	168.4	162.0
67.5°	*210.3*	189.7	160.9	140.3	137.0
70°	*183.7*	162.4	132.8	112.6	107.0
72.5°	*156.8*	135.8	107.0	85.7	82.3
75°	*130.6*	106.7	79.3	62.9	55.8
77.5°	*102.2*	80.5	55.8	38.5	34.1
80°	*76.0*	54.3	32.2	22.8	22.5
82.5°	*49.8*	31.4	17.2	17.6	16.8
85°	*25.4*	13.5	11.6	11.2	10.9
87.5°	*4.9*	5.2	5.6	5.6	5.6
90°	*0.0*	0.0	0.0	0.0	0.0

TEST NUMBER: P1471679
CATALOG NUMBER: 22PTR-20S-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	14.0	15.6	14.3	15.9	16.2	12.6	14.2	13.0	14.6	14.9
	3H	15.8	17.2	16.2	17.6	17.9	13.9	15.4	14.3	15.7	16.0
	4H	16.5	17.8	16.9	18.2	18.6	14.2	15.6	14.6	15.9	16.3
	6H	17.0	18.2	17.4	18.6	19.0	14.3	15.5	14.7	15.9	16.3
	8H	17.1	18.3	17.5	18.7	19.1	14.3	15.5	14.7	15.9	16.3
	12H	17.2	18.3	17.6	18.7	19.1	14.3	15.4	14.7	15.8	16.3
4H	2H	14.4	15.7	14.8	16.1	16.5	13.3	14.7	13.7	15.0	15.4
	3H	16.4	17.5	16.8	17.9	18.3	14.8	15.9	15.2	16.3	16.7
	4H	17.2	18.2	17.6	18.6	19.1	15.1	16.1	15.5	16.5	17.0
	6H	17.8	18.7	18.2	19.1	19.6	15.2	16.1	15.7	16.6	17.0
	8H	18.0	18.8	18.4	19.2	19.7	15.3	16.1	15.7	16.5	17.0
	12H	18.0	18.8	18.5	19.3	19.7	15.3	16.0	15.8	16.5	17.0
8H	4H	17.3	18.1	17.8	18.6	19.0	15.4	16.2	15.8	16.6	17.1
	6H	17.9	18.6	18.4	19.1	19.6	15.5	16.2	16.0	16.7	17.2
	8H	18.1	18.7	18.6	19.3	19.7	15.6	16.2	16.1	16.7	17.2
	12H	18.3	18.8	18.8	19.3	19.9	15.6	16.2	16.1	16.7	17.2
12H	4H	17.3	18.0	17.8	18.5	19.0	15.4	16.1	15.9	16.6	17.1
	6H	17.9	18.5	18.4	19.0	19.5	15.6	16.2	16.1	16.6	17.2
	8H	18.1	18.7	18.6	19.2	19.7	15.6	16.2	16.1	16.7	17.2

(END OF REPORT)