

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: P1471690

Luminaire Tested: 22PTR-20S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471690
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-20S-PP3-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

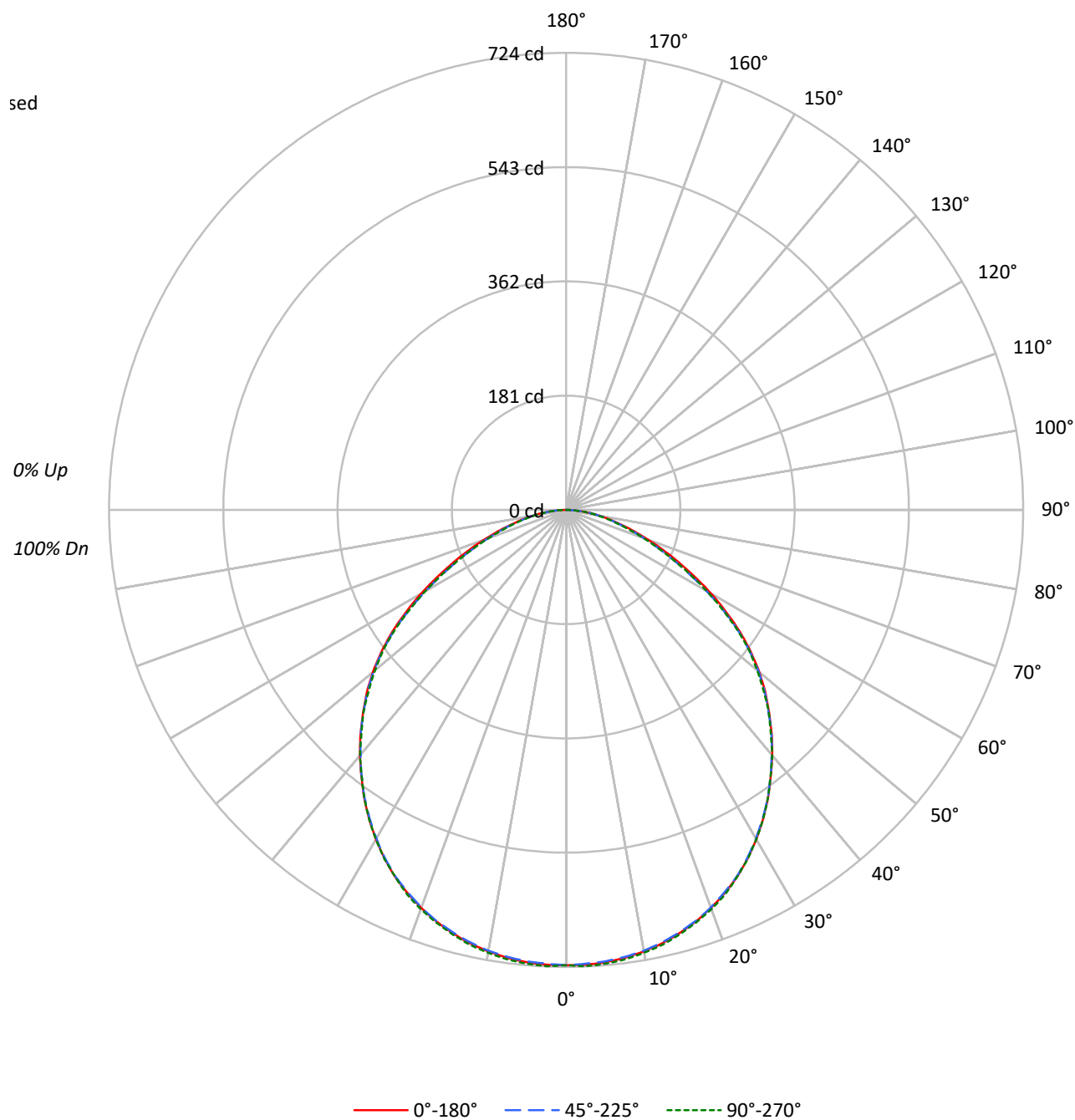
Lumens per Lamp: N/A
Luminaire Lumens: 1863.9 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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		100
1	109	105	101	97	107	103	99	96	99	96	93		95	92	90		85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1941	1941	1941
5°	1943	1939	1949
10°	1940	1937	1947
15°	1934	1930	1939
20°	1921	1920	1928
25°	1904	1901	1903
30°	1872	1868	1872
35°	1831	1829	1830
40°	1785	1779	1783
45°	1731	1726	1728
50°	1673	1665	1653
55°	1575	1557	1552
60°	1429	1381	1384
65°	1255	1192	1191
70°	1086	1036	1024
75°	939	905	885
80°	832	820	783
85°	689	710	670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.7
10°-20°	196.0	10.5
20°-30°	295.1	15.8
30°-40°	348.3	18.7
40°-50°	350.2	18.8
50°-60°	295.7	15.9
60°-70°	189.9	10.2
70°-80°	94.5	5.1
80°-90°	25.9	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°	559.5	30.0
0°-40°	907.7	48.7
0°-60°	1553.6	83.4
0°-90°	1863.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	719	720	718	721	722	68
15°	694	694	693	696	696	196
25°	641	642	640	642	641	295
35°	557	558	557	557	557	348
45°	455	456	454	454	454	351
55°	336	335	332	330	331	299
65°	197	194	187	185	187	197
75°	90	90	87	86	85	98
85°	22	23	23	22	22	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.4	721.4	721.4	721.4	721.4
2.5°	721.1	721.4	719.5	722.9	723.5
5°	719.3	719.5	717.7	721.1	721.6
7.5°	715.6	715.9	714.2	717.4	718.0
10°	710.1	710.9	709.0	712.0	712.4
12.5°	703.3	703.6	701.7	705.1	705.7
15°	694.2	694.4	692.8	696.0	696.0
17.5°	683.6	683.9	682.8	685.5	685.2
20°	670.9	671.6	670.3	672.1	673.1
22.5°	657.0	657.2	655.6	658.0	659.1
25°	641.3	641.5	640.2	641.5	641.0
27.5°	622.9	623.4	621.6	622.9	623.2
30°	602.4	603.8	601.2	602.3	602.4
32.5°	580.5	581.2	579.4	579.7	581.0
35°	557.4	557.7	556.7	557.2	557.2
37.5°	532.6	533.7	532.0	532.8	531.8
40°	508.0	506.9	506.4	506.9	507.7
42.5°	482.0	482.3	481.5	480.9	479.7
45°	454.8	456.4	453.5	454.0	454.0
47.5°	428.1	428.3	426.8	425.2	424.1
50°	399.6	399.6	397.7	396.5	394.8
52.5°	368.4	367.9	365.8	364.5	365.3
55°	335.7	335.4	331.8	330.4	330.7
57.5°	299.8	300.4	294.8	293.5	293.5
60°	265.5	262.9	256.6	254.8	257.1
62.5°	229.6	226.4	219.7	219.7	221.5
65°	197.1	194.3	187.2	185.3	187.0
67.5°	166.8	164.1	157.7	156.6	157.1
70°	138.0	135.7	131.7	129.3	130.2
72.5°	113.1	111.0	108.4	106.6	105.5
75°	90.3	89.8	87.0	86.1	85.1
77.5°	71.5	71.3	68.9	67.8	66.8
80°	53.7	53.4	52.9	51.3	50.5
82.5°	38.2	38.2	38.0	36.6	35.9
85°	22.3	23.0	23.0	21.7	21.7
87.5°	8.9	9.4	8.9	8.9	8.7
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	13.5	15.1	13.9	15.4	15.8	13.4	15.0	13.8	15.3	15.6
	3H	14.9	16.3	15.2	16.6	17.0	14.6	16.0	15.0	16.4	16.7
	4H	15.3	16.6	15.7	17.0	17.4	15.0	16.4	15.4	16.7	17.1
	6H	15.6	16.9	16.0	17.2	17.6	15.4	16.6	15.8	17.0	17.4
	8H	15.7	16.9	16.2	17.3	17.7	15.5	16.6	15.9	17.0	17.4
	12H	15.8	16.9	16.2	17.3	17.7	15.5	16.7	16.0	17.0	17.5
4H	2H	14.0	15.3	14.4	15.7	16.0	13.8	15.2	14.2	15.5	15.9
	3H	15.5	16.6	15.9	17.0	17.4	15.3	16.4	15.7	16.8	17.2
	4H	16.0	17.1	16.5	17.5	17.9	15.8	16.8	16.3	17.2	17.7
	6H	16.5	17.4	17.0	17.8	18.3	16.3	17.1	16.7	17.6	18.0
	8H	16.7	17.5	17.1	17.9	18.4	16.4	17.2	16.9	17.7	18.1
	12H	16.8	17.5	17.2	18.0	18.4	16.5	17.2	17.0	17.7	18.2
8H	4H	16.2	17.1	16.7	17.5	18.0	16.0	16.9	16.5	17.3	17.8
	6H	16.8	17.5	17.3	18.0	18.4	16.6	17.3	17.1	17.7	18.2
	8H	17.0	17.6	17.5	18.1	18.6	16.8	17.4	17.3	17.9	18.4
	12H	17.2	17.7	17.7	18.2	18.8	17.0	17.5	17.5	18.0	18.5
12H	4H	16.3	17.0	16.7	17.5	17.9	16.1	16.8	16.5	17.3	17.7
	6H	16.8	17.5	17.4	17.9	18.5	16.6	17.2	17.1	17.7	18.2
	8H	17.1	17.6	17.6	18.1	18.7	16.9	17.4	17.4	17.9	18.5

(END OF REPORT)