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: P1471700

Luminaire Tested: 22PTR-25S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471700
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-25S-PC3-L835-UNV-STD-W
Description:	2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2295.3 lumens
Efficiency:	N/A
Efficacy:	121.4 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct

Input Watts (W):	18.9
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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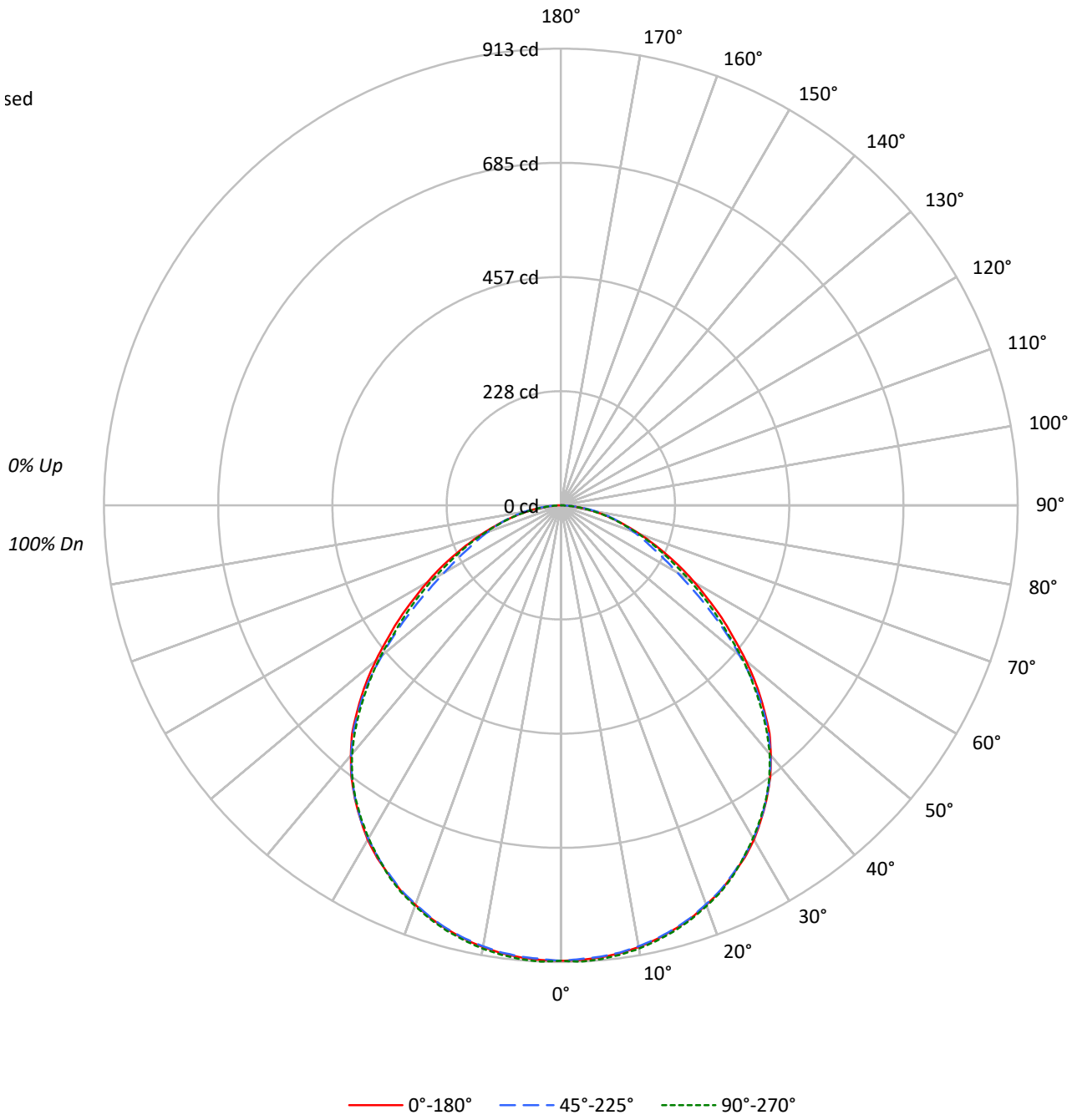
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2450	2450	2450
5°	2451	2446	2460
10°	2450	2446	2459
15°	2445	2442	2453
20°	2434	2430	2440
25°	2417	2413	2423
30°	2399	2391	2387
35°	2356	2353	2349
40°	2294	2290	2280
45°	2181	2165	2143
50°	2019	1951	1973
55°	1842	1693	1769
60°	1661	1444	1584
65°	1485	1292	1424
70°	1317	1222	1281
75°	1164	1184	1142
80°	1004	1131	1000
85°	753	895	753

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 2186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.8
10°-20°	247.9	10.8
20°-30°	375.3	16.3
30°-40°	447.4	19.5
40°-50°	437.2	19.0
50°-60°	334.3	14.6
60°-70°	214.6	9.4
70°-80°	119.4	5.2
80°-90°	33.0	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°	709.5	30.9
0°-40°	1156.9	50.4
0°-60°	1928.3	84.0
0°-90°	2295.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2295.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	907	908	906	910	911	86
15°	878	878	877	880	880	248
25°	814	815	813	815	816	375
35°	717	718	716	716	715	448
45°	573	574	569	568	563	441
55°	393	379	361	365	377	351
65°	233	215	203	210	224	233
75°	112	113	114	112	110	120
85°	24	29	29	28	24	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.4	910.4	910.4	910.4	*910.4*
2.5°	*909.9*	*910.2*	*907.8*	*911.7*	*913.0*
5°	907.2	907.8	905.6	909.9	*910.8*
7.5°	903.3	903.9	901.7	905.9	*906.3*
10°	896.8	897.2	895.2	899.4	*900.0*
12.5°	888.1	889.0	886.8	890.7	*890.9*
15°	877.6	878.3	876.6	879.6	*880.5*
17.5°	865.2	865.6	863.9	867.1	*867.5*
20°	849.9	849.9	848.6	852.2	*852.2*
22.5°	834.2	833.3	832.9	834.2	*836.3*
25°	814.1	815.1	812.8	815.4	*816.0*
27.5°	794.6	794.6	792.6	793.9	*792.2*
30°	772.1	770.8	769.5	769.8	*768.2*
32.5°	745.0	745.0	744.4	744.4	*742.4*
35°	717.1	717.7	716.4	716.0	*715.1*
37.5°	687.1	688.1	685.8	685.2	*684.5*
40°	652.9	652.9	651.9	650.6	*649.0*
42.5°	617.4	617.4	613.2	609.9	*607.7*
45°	573.1	574.4	568.9	567.6	*563.1*
47.5°	529.1	528.2	520.7	519.8	*517.2*
50°	482.3	476.7	466.0	468.9	*471.3*
52.5°	435.4	428.5	412.9	416.1	*420.0*
55°	392.7	379.1	360.9	365.4	*377.1*
57.5°	348.1	329.9	311.6	320.2	*334.7*
60°	308.7	288.2	268.3	277.5	*294.4*
62.5°	270.9	249.2	233.2	242.0	*256.3*
65°	233.2	215.2	202.9	209.7	*223.7*
67.5°	198.7	186.6	178.2	181.4	*192.7*
70°	167.4	159.8	155.3	156.3	*162.8*
72.5°	137.7	135.8	134.2	134.2	*134.8*
75°	112.0	113.0	113.9	112.4	*109.8*
77.5°	88.3	91.5	93.8	90.5	*87.3*
80°	64.8	70.0	73.0	69.3	*64.5*
82.5°	44.3	50.2	51.1	48.9	*43.3*
85°	24.4	28.6	29.0	28.0	*24.4*
87.5°	9.1	10.8	11.7	10.8	*9.5*
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	13.6	15.1	13.9	15.5	15.8	13.4	14.9	13.7	15.2	15.5
	3H	15.0	16.4	15.4	16.8	17.1	14.8	16.2	15.2	16.5	16.9
	4H	15.6	16.9	16.0	17.2	17.6	15.4	16.7	15.8	17.0	17.4
	6H	15.9	17.2	16.4	17.5	17.9	15.8	17.0	16.2	17.4	17.7
	8H	16.1	17.2	16.5	17.6	18.0	15.9	17.1	16.3	17.4	17.8
	12H	16.1	17.2	16.6	17.6	18.1	16.0	17.1	16.4	17.5	17.9
4H	2H	14.0	15.3	14.4	15.6	16.0	13.8	15.1	14.2	15.4	15.8
	3H	15.7	16.8	16.1	17.2	17.6	15.5	16.6	15.9	17.0	17.4
	4H	16.3	17.3	16.8	17.7	18.2	16.2	17.2	16.6	17.6	18.0
	6H	16.9	17.7	17.3	18.2	18.6	16.7	17.6	17.2	18.0	18.5
	8H	17.0	17.9	17.5	18.3	18.8	16.9	17.7	17.4	18.2	18.6
	12H	17.2	17.9	17.6	18.4	18.8	17.0	17.7	17.5	18.2	18.7
8H	4H	16.6	17.4	17.1	17.9	18.3	16.5	17.3	16.9	17.7	18.2
	6H	17.3	17.9	17.8	18.4	18.9	17.1	17.8	17.6	18.3	18.8
	8H	17.5	18.1	18.0	18.6	19.1	17.4	18.0	17.9	18.5	19.0
	12H	17.7	18.2	18.2	18.7	19.3	17.6	18.1	18.1	18.6	19.2
12H	4H	16.6	17.4	17.1	17.8	18.3	16.5	17.2	17.0	17.7	18.2
	6H	17.3	17.9	17.9	18.4	18.9	17.2	17.8	17.7	18.3	18.8
	8H	17.6	18.2	18.1	18.7	19.2	17.5	18.0	18.0	18.5	19.1

(END OF REPORT)