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: P1471649

Luminaire Tested: 14PTR-30S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471649
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-30S-PB1-L835-UNV-STD-B
Description:	3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2082.6 lumens
Efficiency:	N/A
Efficacy:	87.1 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	23.9
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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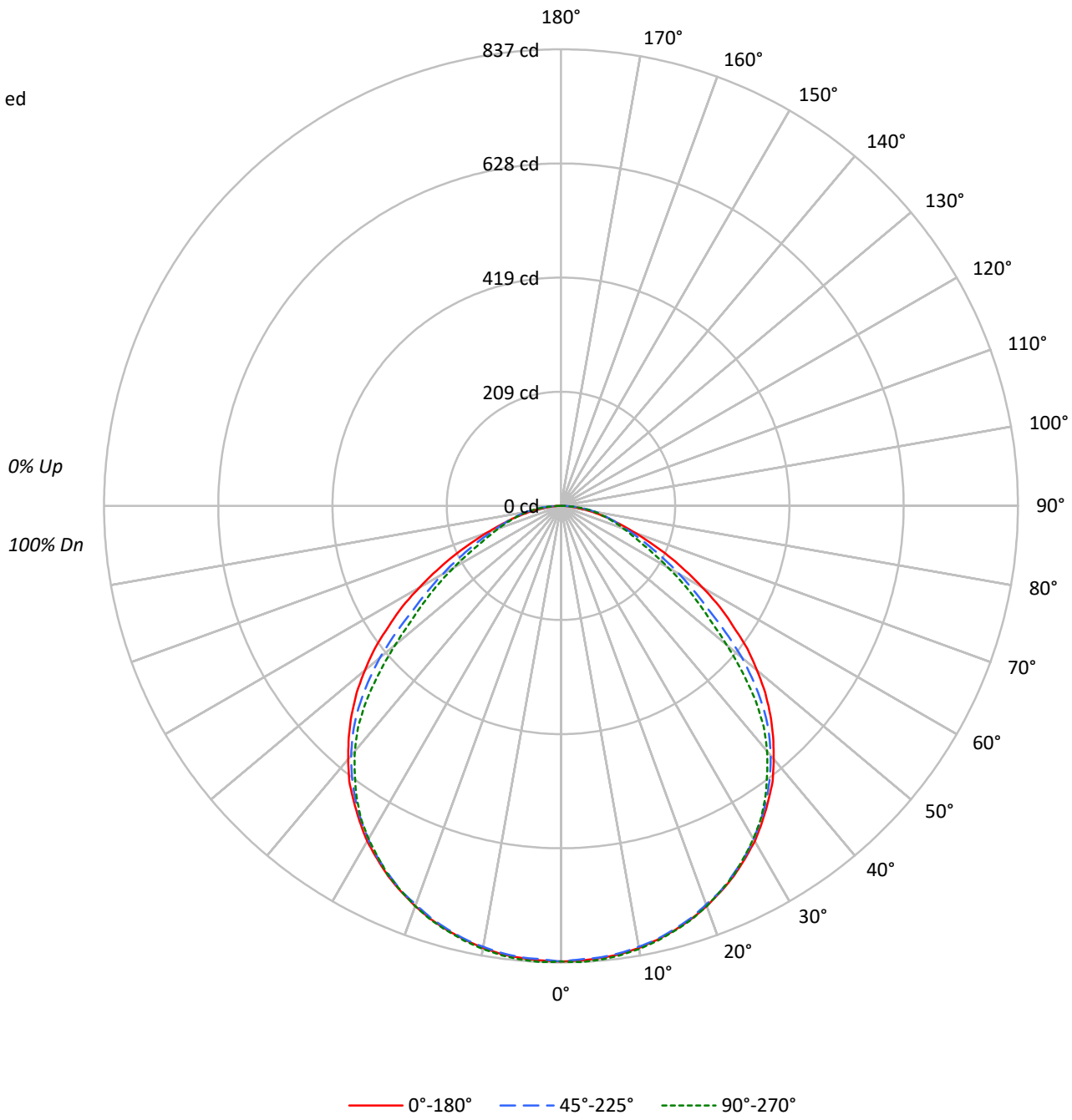
Luminous Intensity Polar Plot



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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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2248	2248	2248
5°	2247	2245	2256
10°	2249	2243	2254
15°	2244	2238	2247
20°	2236	2227	2236
25°	2224	2214	2220
30°	2206	2193	2190
35°	2173	2157	2143
40°	2129	2100	2064
45°	2064	1998	1915
50°	1961	1811	1656
55°	1807	1537	1426
60°	1609	1344	1222
65°	1380	1165	1040
70°	1139	1027	954
75°	961	983	930
80°	812	1003	956
85°	636	1016	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	3.8
10°-20°	227.2	10.9
20°-30°	344.2	16.5
30°-40°	410.1	19.7
40°-50°	401.1	19.3
50°-60°	303.4	14.6
60°-70°	186.4	9.0
70°-80°	99.3	4.8
80°-90°	31.7	1.5
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°	650.6	31.2
0°-40°	1060.7	50.9
0°-60°	1765.2	84.8
0°-90°	2082.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	835	835	835	835	835	
5°	832	833	831	834	835	79
15°	805	806	803	806	806	227
25°	749	748	746	747	748	345
35°	662	661	656	653	652	414
45°	542	539	525	507	503	417
55°	385	366	328	309	304	345
65°	217	199	183	168	163	216
75°	92	94	94	92	89	99
85°	21	27	33	31	29	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.2	835.2	835.2	835.2	*835.2*
2.5°	*834.2*	*835.2*	*832.0*	*836.3*	*837.2*
5°	832.0	833.1	831.1	834.2	*835.2*
7.5°	829.0	829.0	827.0	830.0	*831.1*
10°	822.9	822.9	820.8	823.8	*824.9*
12.5°	814.7	814.7	813.6	815.7	*816.7*
15°	805.4	806.4	803.4	806.4	*806.4*
17.5°	794.1	793.1	792.0	794.1	*795.2*
20°	780.7	780.7	777.7	779.7	*780.7*
22.5°	765.3	765.3	764.3	765.3	*764.3*
25°	748.9	747.8	745.8	746.8	*747.8*
27.5°	729.4	729.4	727.3	727.3	*726.2*
30°	709.9	708.8	705.8	703.7	*704.7*
32.5°	686.2	685.2	682.1	680.1	*681.1*
35°	661.5	660.6	656.5	653.3	*652.4*
37.5°	636.9	633.8	628.6	624.5	*620.4*
40°	606.1	603.0	597.9	588.6	*587.6*
42.5°	575.3	572.2	563.9	552.7	*549.6*
45°	542.4	539.3	524.9	507.4	*503.3*
47.5°	507.4	502.4	479.7	458.1	*449.9*
50°	468.5	459.2	432.5	404.8	*395.5*
52.5°	430.4	414.0	379.1	354.4	*345.2*
55°	385.2	365.7	327.7	309.2	*304.0*
57.5°	345.2	318.5	287.6	269.2	*265.1*
60°	299.0	274.3	249.7	233.2	*227.0*
62.5°	256.8	235.2	214.7	200.3	*193.2*
65°	216.8	199.3	182.9	168.5	*163.4*
67.5°	177.7	168.5	155.1	143.9	*140.7*
70°	144.8	139.7	130.5	125.3	*121.2*
72.5°	115.1	117.1	111.0	108.9	*105.8*
75°	92.4	93.5	94.5	91.5	*89.4*
77.5°	69.9	75.0	79.1	77.0	*75.0*
80°	52.4	57.5	64.7	61.7	*61.7*
82.5°	35.9	42.2	48.3	46.3	*45.2*
85°	20.6	26.7	32.9	30.8	*28.8*
87.5°	8.2	13.4	14.3	14.3	*13.4*
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	13.7	15.3	14.1	15.6	15.9	12.4	14.0	12.8	14.3	14.6
	3H	14.9	16.3	15.3	16.7	17.0	13.7	15.1	14.1	15.4	15.8
	4H	15.4	16.7	15.8	17.0	17.4	14.2	15.5	14.6	15.9	16.3
	6H	15.6	16.9	16.1	17.2	17.6	14.7	15.9	15.1	16.3	16.7
	8H	15.7	16.9	16.2	17.3	17.7	14.9	16.1	15.3	16.5	16.9
	12H	15.8	16.9	16.2	17.3	17.7	15.1	16.2	15.5	16.5	17.0
4H	2H	14.0	15.3	14.4	15.7	16.1	12.9	14.3	13.3	14.6	15.0
	3H	15.5	16.6	15.9	17.0	17.4	14.4	15.5	14.8	15.9	16.3
	4H	16.0	17.0	16.5	17.4	17.9	15.1	16.1	15.6	16.5	17.0
	6H	16.4	17.3	16.9	17.7	18.2	15.8	16.6	16.2	17.1	17.5
	8H	16.6	17.4	17.0	17.8	18.3	16.0	16.8	16.5	17.3	17.7
	12H	16.7	17.4	17.2	17.9	18.3	16.2	16.9	16.7	17.4	17.9
8H	4H	16.2	17.0	16.7	17.5	17.9	15.4	16.2	15.9	16.7	17.1
	6H	16.8	17.4	17.3	17.9	18.4	16.2	16.9	16.7	17.4	17.9
	8H	17.0	17.6	17.5	18.1	18.6	16.6	17.2	17.1	17.7	18.2
	12H	17.2	17.7	17.7	18.2	18.7	16.9	17.4	17.4	17.9	18.4
12H	4H	16.3	17.0	16.7	17.4	17.9	15.5	16.2	15.9	16.7	17.1
	6H	16.8	17.4	17.4	17.9	18.4	16.3	16.9	16.8	17.4	17.9
	8H	17.1	17.6	17.6	18.1	18.7	16.7	17.2	17.2	17.7	18.3

(END OF REPORT)