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: P1471675

Luminaire Tested: 14PTR-42S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471675
	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:	14PTR-42S-PR1-L835-UNV-STD-B
Description:	4200 LUMEN 1X4 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:	3058.5 lumens
Efficiency:	N/A
Efficacy:	96.5 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	31.7
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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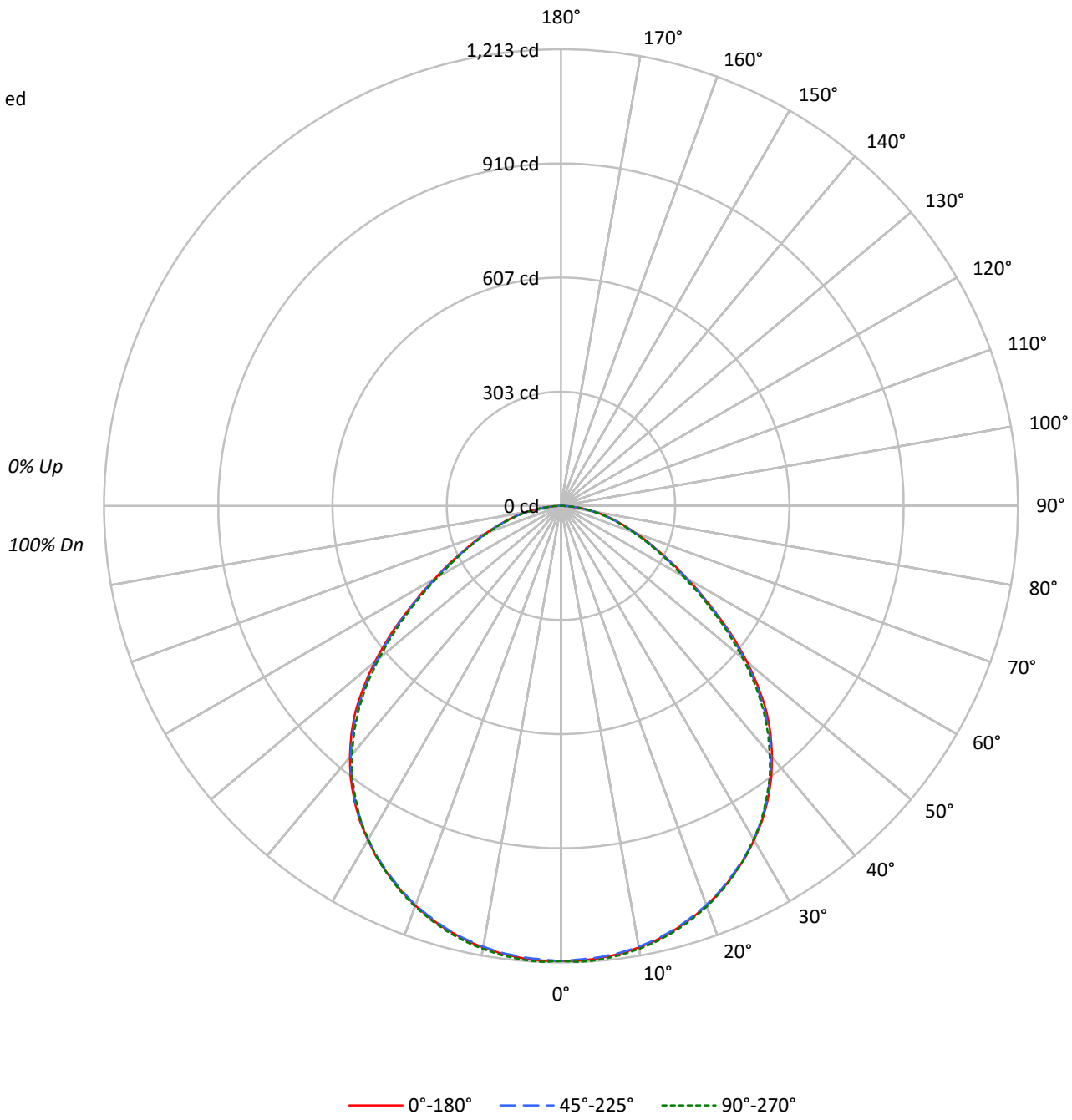
Luminous Intensity Polar Plot



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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	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°	3254	3254	3254
5°	3257	3250	3268
10°	3255	3249	3267
15°	3249	3244	3259
20°	3235	3231	3244
25°	3214	3206	3218
30°	3185	3182	3177
35°	3142	3134	3121
40°	3062	3050	3028
45°	2935	2901	2880
50°	2700	2670	2637
55°	2389	2379	2333
60°	2077	2069	2013
65°	1830	1819	1783
70°	1660	1637	1603
75°	1538	1501	1473
80°	1404	1384	1337
85°	1108	1099	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	3.8
10°-20°	329.3	10.8
20°-30°	498.8	16.3
30°-40°	595.5	19.5
40°-50°	585.6	19.1
50°-60°	452.6	14.8
60°-70°	285.4	9.3
70°-80°	154.4	5.0
80°-90°	42.2	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°	942.8	30.8
0°-40°	1538.3	50.3
0°-60°	2576.5	84.2
0°-90°	3058.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3058.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1209	1209	1209	1209	1209	
5°	1206	1206	1203	1208	1210	115
15°	1166	1166	1164	1168	1170	329
25°	1082	1083	1080	1083	1084	499
35°	956	957	954	953	950	597
45°	771	768	762	756	757	590
55°	509	514	507	499	497	457
65°	287	288	286	281	280	289
75°	148	146	144	145	142	157
85°	36	36	36	36	34	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1209.4	1209.4	1209.4	1209.4	*1209.4*
2.5°	*1208.9*	*1209.4*	*1205.9*	*1211.6*	*1212.8*
5°	1205.9	1206.4	1203.2	1208.4	*1209.8*
7.5°	1199.8	1200.7	1197.7	1202.9	*1204.2*
10°	1191.1	1192.1	1189.1	1194.3	*1195.5*
12.5°	1180.4	1180.7	1178.2	1182.9	*1184.2*
15°	1166.1	1166.4	1164.3	1168.1	*1169.8*
17.5°	1149.5	1150.0	1147.0	1151.7	*1152.5*
20°	1129.7	1130.0	1128.3	1132.2	*1132.7*
22.5°	1107.5	1108.4	1105.7	1109.2	*1109.7*
25°	1082.4	1083.2	1079.8	1083.2	*1083.7*
27.5°	1056.0	1056.3	1053.3	1056.0	*1055.5*
30°	1025.1	1027.8	1023.9	1022.9	*1022.6*
32.5°	993.1	993.5	989.7	988.7	*990.5*
35°	956.3	956.6	954.1	952.8	*950.1*
37.5°	916.0	916.0	911.1	910.3	*909.8*
40°	871.7	871.2	868.2	865.3	*862.1*
42.5°	823.5	824.5	818.3	813.1	*812.3*
45°	771.1	768.1	762.4	756.4	*756.9*
47.5°	709.2	710.0	702.3	697.4	*696.1*
50°	644.9	644.9	637.7	632.5	*629.8*
52.5°	577.8	578.3	571.4	564.4	*563.0*
55°	509.3	513.6	507.1	498.9	*497.2*
57.5°	445.2	448.7	442.6	433.9	*433.4*
60°	385.9	386.2	384.4	376.2	*374.0*
62.5°	335.1	332.9	332.0	327.7	*325.1*
65°	287.4	287.9	285.7	280.8	*280.0*
67.5°	248.8	248.4	244.4	241.4	*239.7*
70°	211.0	209.8	208.0	205.5	*203.8*
72.5°	177.3	177.3	175.9	175.1	*172.1*
75°	147.9	146.2	144.4	145.2	*141.7*
77.5°	119.7	118.0	116.5	114.8	*114.0*
80°	90.6	88.8	89.3	86.6	*86.3*
82.5°	62.8	62.8	62.1	59.8	*60.3*
85°	35.9	36.4	35.6	35.9	*34.2*
87.5°	13.1	13.4	14.3	13.4	*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	14.6	16.2	15.0	16.5	16.8	14.4	16.0	14.8	16.3	16.6
	3H	16.0	17.4	16.3	17.7	18.1	15.8	17.2	16.1	17.5	17.8
	4H	16.5	17.8	16.9	18.2	18.5	16.3	17.6	16.7	17.9	18.3
	6H	16.9	18.1	17.3	18.5	18.9	16.7	17.9	17.1	18.3	18.7
	8H	17.0	18.2	17.5	18.6	19.0	16.8	18.0	17.2	18.4	18.8
	12H	17.1	18.2	17.5	18.6	19.0	16.9	18.0	17.3	18.4	18.8
4H	2H	15.1	16.4	15.5	16.7	17.1	14.9	16.2	15.3	16.6	16.9
	3H	16.6	17.7	17.1	18.1	18.5	16.5	17.6	16.9	18.0	18.4
	4H	17.3	18.3	17.7	18.7	19.1	17.1	18.1	17.6	18.5	19.0
	6H	17.8	18.7	18.3	19.1	19.6	17.7	18.5	18.1	19.0	19.4
	8H	18.0	18.8	18.5	19.3	19.7	17.8	18.6	18.3	19.1	19.5
	12H	18.1	18.9	18.6	19.3	19.8	17.9	18.7	18.4	19.1	19.6
8H	4H	17.5	18.3	18.0	18.8	19.3	17.4	18.2	17.8	18.6	19.1
	6H	18.2	18.9	18.7	19.4	19.8	18.0	18.7	18.5	19.2	19.7
	8H	18.4	19.0	19.0	19.5	20.0	18.3	18.9	18.8	19.4	19.9
	12H	18.6	19.2	19.1	19.6	20.2	18.4	19.0	18.9	19.5	20.0
12H	4H	17.6	18.3	18.0	18.8	19.2	17.4	18.1	17.9	18.6	19.1
	6H	18.2	18.8	18.8	19.3	19.8	18.1	18.7	18.6	19.1	19.7
	8H	18.5	19.1	19.0	19.6	20.1	18.4	18.9	18.9	19.4	19.9

(END OF REPORT)