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: P1471641

Luminaire Tested: 14PTR-20S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471641
	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:	14PTR-20S-PP3-L835-UNV-STD-B
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1430.7 lumens
Efficiency:	N/A
Efficacy:	87.2 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	16.4
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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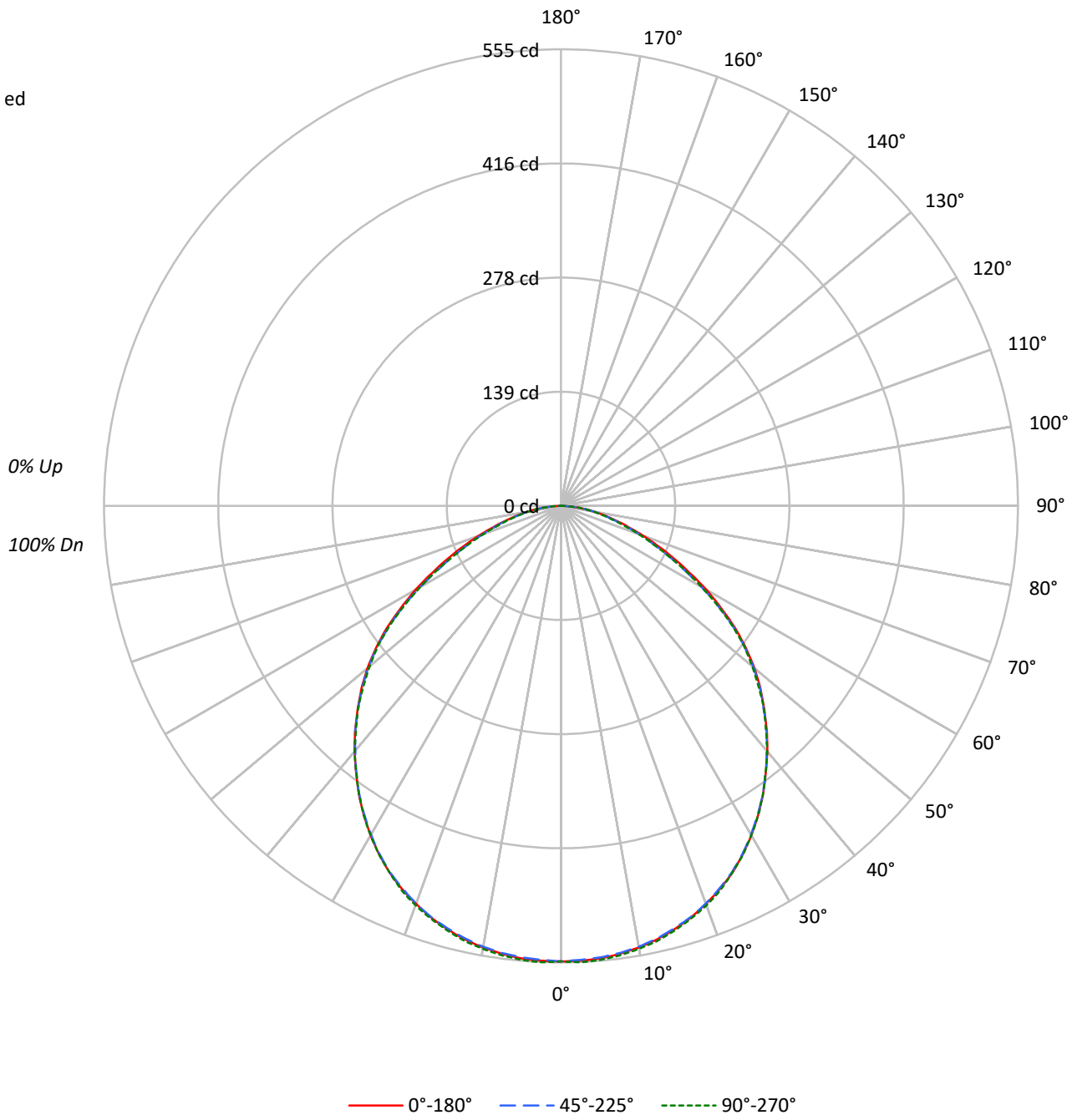
CATALOG NUMBER: 14PTR-20S-PP3-L835-UNV-STD-B

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1490	1490	1490
5°	1491	1488	1496
10°	1489	1487	1494
15°	1484	1482	1488
20°	1475	1473	1480
25°	1461	1459	1461
30°	1437	1434	1437
35°	1406	1404	1405
40°	1370	1365	1369
45°	1329	1325	1326
50°	1284	1278	1269
55°	1209	1195	1191
60°	1097	1060	1062
65°	963	915	914
70°	833	795	786
75°	721	693	679
80°	638	629	601
85°	528	546	516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1333 cd/sqm

TEST NUMBER: P1471641
CATALOG NUMBER: 14PTR-20S-PP3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	3.7
10°-20°	150.4	10.5
20°-30°	226.5	15.8
30°-40°	267.3	18.7
40°-50°	268.8	18.8
50°-60°	227.0	15.9
60°-70°	145.8	10.2
70°-80°	72.5	5.1
80°-90°	19.9	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°	429.4	30.0
0°-40°	696.7	48.7
0°-60°	1192.6	83.4
0°-90°	1430.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1430.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	554	554	554	554	554	
5°	552	552	551	554	554	52
15°	533	533	532	534	534	150
25°	492	492	491	492	492	226
35°	428	428	427	428	428	267
45°	349	350	348	348	348	269
55°	258	257	255	254	254	229
65°	151	149	144	142	144	151
75°	69	69	67	66	65	75
85°	17	18	18	17	17	20
90°	0	0	0	0	0	

TEST NUMBER: P1471641
CATALOG NUMBER: 14PTR-20S-PP3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	553.7	553.7	553.7	553.7	*553.7*
2.5°	*553.5*	*553.7*	*552.3*	*554.9*	*555.3*
5°	552.1	552.3	550.9	553.5	*553.9*
7.5°	549.3	549.5	548.2	550.6	*551.1*
10°	545.0	545.7	544.2	546.5	*546.8*
12.5°	539.8	540.1	538.6	541.2	*541.7*
15°	532.8	533.0	531.8	534.2	*534.2*
17.5°	524.7	524.9	524.1	526.2	*526.0*
20°	514.9	515.5	514.5	515.9	*516.7*
22.5°	504.3	504.5	503.3	505.1	*505.9*
25°	492.2	492.4	491.4	492.4	*492.0*
27.5°	478.1	478.5	477.1	478.1	*478.3*
30°	462.4	463.4	461.5	462.3	*462.4*
32.5°	445.6	446.1	444.8	445.0	*446.0*
35°	427.9	428.1	427.3	427.7	*427.7*
37.5°	408.8	409.6	408.4	409.0	*408.2*
40°	389.9	389.1	388.7	389.1	*389.7*
42.5°	370.0	370.2	369.6	369.2	*368.2*
45°	349.1	350.3	348.1	348.5	*348.5*
47.5°	328.6	328.8	327.6	326.4	*325.6*
50°	306.7	306.7	305.3	304.3	*303.1*
52.5°	282.8	282.4	280.8	279.8	*280.4*
55°	257.7	257.4	254.7	253.6	*253.9*
57.5°	230.1	230.6	226.3	225.3	*225.3*
60°	203.8	201.8	197.0	195.6	*197.3*
62.5°	176.2	173.8	168.6	168.6	*170.0*
65°	151.3	149.1	143.7	142.3	*143.5*
67.5°	128.0	126.0	121.0	120.2	*120.6*
70°	105.9	104.1	101.1	99.2	*99.9*
72.5°	86.8	85.2	83.2	81.8	*81.0*
75°	69.3	68.9	66.7	66.1	*65.3*
77.5°	54.8	54.7	52.9	52.1	*51.3*
80°	41.2	41.0	40.6	39.4	*38.8*
82.5°	29.4	29.4	29.1	28.1	*27.5*
85°	17.1	17.7	17.7	16.7	*16.7*
87.5°	6.9	7.2	6.9	6.9	*6.6*
90°	0.0	0.0	0.0	0.0	*0.0*

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CATALOG NUMBER: 14PTR-20S-PP3-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	12.6	14.2	13.0	14.5	14.8	12.5	14.1	12.8	14.4	14.7
	3H	13.9	15.4	14.3	15.7	16.0	13.7	15.1	14.1	15.5	15.8
	4H	14.4	15.7	14.8	16.1	16.4	14.1	15.5	14.5	15.8	16.2
	6H	14.7	15.9	15.1	16.3	16.7	14.4	15.7	14.9	16.0	16.4
	8H	14.8	16.0	15.2	16.4	16.8	14.5	15.7	15.0	16.1	16.5
	12H	14.9	16.0	15.3	16.4	16.8	14.6	15.7	15.0	16.1	16.6
4H	2H	13.1	14.4	13.5	14.7	15.1	12.9	14.3	13.3	14.6	15.0
	3H	14.6	15.7	15.0	16.1	16.5	14.4	15.5	14.8	15.9	16.3
	4H	15.1	16.1	15.6	16.5	17.0	14.9	15.9	15.3	16.3	16.8
	6H	15.6	16.5	16.0	16.9	17.4	15.3	16.2	15.8	16.7	17.1
	8H	15.7	16.6	16.2	17.0	17.5	15.5	16.3	15.9	16.7	17.2
	12H	15.8	16.6	16.3	17.1	17.5	15.6	16.3	16.1	16.8	17.3
8H	4H	15.3	16.1	15.8	16.6	17.1	15.1	15.9	15.6	16.4	16.8
	6H	15.9	16.6	16.4	17.1	17.5	15.7	16.3	16.2	16.8	17.3
	8H	16.1	16.7	16.6	17.2	17.7	15.9	16.5	16.4	17.0	17.5
	12H	16.3	16.8	16.8	17.3	17.9	16.0	16.6	16.5	17.1	17.6
12H	4H	15.3	16.1	15.8	16.5	17.0	15.1	15.9	15.6	16.3	16.8
	6H	15.9	16.5	16.4	17.0	17.5	15.7	16.3	16.2	16.8	17.3
	8H	16.2	16.7	16.7	17.2	17.8	16.0	16.5	16.5	17.0	17.5

(END OF REPORT)