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: P1471758

Luminaire Tested: 24PTR-20S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471758
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-20S-PW1-L835-UNV-STD-W
Description:	2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens White Rece Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2050.4 lumens
Efficiency:	N/A
Efficacy:	122.8 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	16.7
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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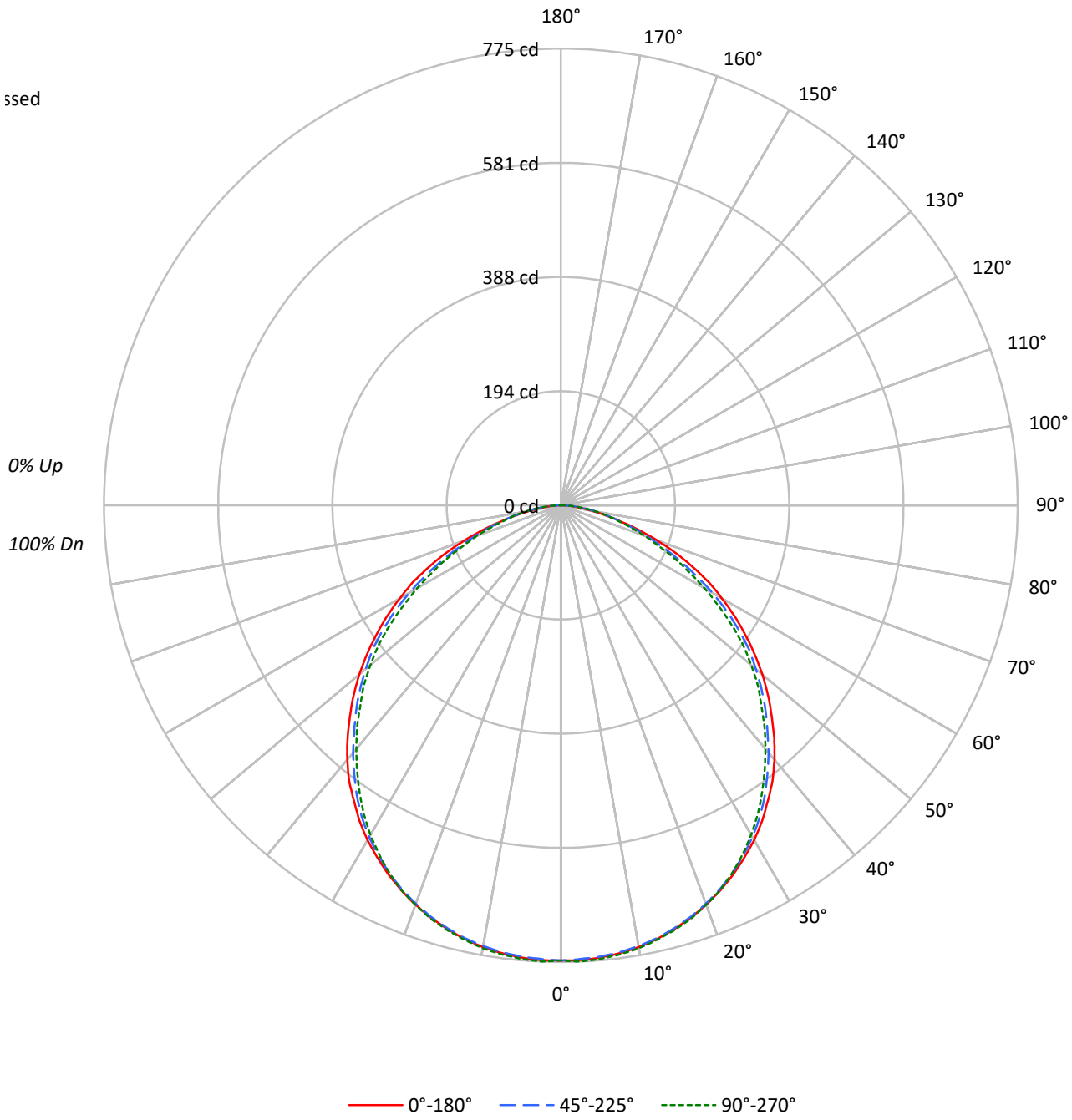
Luminous Intensity Polar Plot



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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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1040	1040	1040
5°	1040	1038	1043
10°	1040	1038	1043
15°	1037	1035	1039
20°	1032	1030	1032
25°	1027	1023	1022
30°	1019	1010	1003
35°	1005	990	977
40°	990	963	948
45°	963	934	915
50°	934	903	882
55°	895	864	830
60°	848	798	756
65°	784	713	677
70°	680	620	597
75°	543	531	516
80°	413	461	461
85°	306	394	394

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	3.6
10°-20°	210.2	10.2
20°-30°	317.6	15.5
30°-40°	377.1	18.4
40°-50°	380.0	18.5
50°-60°	328.4	16.0
60°-70°	224.5	10.9
70°-80°	110.7	5.4
80°-90°	28.6	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°	601.0	29.3
0°-40°	978.2	47.7
0°-60°	1686.6	82.3
0°-90°	2050.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	770	771	769	772	773	73
15°	744	745	743	746	746	210
25°	692	691	689	689	688	319
35°	612	610	603	597	595	383
45°	506	500	491	485	481	390
55°	381	380	368	358	354	341
65°	246	238	224	214	213	243
75°	104	104	102	102	99	114
85°	20	23	26	26	26	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.6	772.6	772.6	772.6	*772.6*
2.5°	*772.4*	*772.6*	*770.6*	*774.1*	*774.9*
5°	770.3	770.6	768.7	771.8	*772.6*
7.5°	766.7	767.2	764.9	768.0	*768.7*
10°	761.2	761.5	759.5	762.6	*763.2*
12.5°	753.8	754.0	752.3	755.1	*755.1*
15°	744.3	745.1	743.2	745.8	*746.0*
17.5°	733.7	734.0	732.0	734.8	*735.5*
20°	721.1	721.1	719.4	721.7	*721.1*
22.5°	707.1	707.1	705.1	706.2	*706.8*
25°	691.7	691.0	688.8	689.4	*688.2*
27.5°	673.9	673.9	669.8	669.8	*667.8*
30°	655.9	654.4	650.2	647.6	*645.6*
32.5°	635.2	633.2	627.8	623.2	*621.8*
35°	612.1	610.0	602.8	597.4	*595.1*
37.5°	589.7	585.1	575.7	570.3	*567.7*
40°	563.6	557.9	548.2	540.7	*539.6*
42.5°	535.6	531.1	518.5	513.0	*511.6*
45°	505.9	500.4	490.9	485.2	*480.9*
47.5°	476.6	472.6	461.8	454.9	*453.5*
50°	446.0	442.5	431.4	424.0	*421.4*
52.5°	414.2	411.9	402.5	393.0	*389.9*
55°	381.4	380.2	368.5	357.5	*353.8*
57.5°	349.0	347.6	332.9	320.3	*316.9*
60°	315.2	310.9	296.6	284.8	*281.1*
62.5°	283.2	274.0	258.5	249.4	*245.1*
65°	246.4	237.6	223.9	214.1	*212.7*
67.5°	210.4	199.8	189.2	183.2	*178.6*
70°	172.9	165.7	157.7	152.6	*151.8*
72.5°	137.9	132.8	128.8	125.7	*123.1*
75°	104.4	103.6	102.2	102.2	*99.3*
77.5°	76.8	78.7	79.9	79.6	*80.2*
80°	53.3	57.2	59.5	59.8	*59.5*
82.5°	33.8	38.4	42.1	42.7	*43.3*
85°	19.8	23.2	25.5	26.0	*25.5*
87.5°	8.8	11.1	11.8	12.3	*11.8*
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	11.8	13.4	12.2	13.7	14.0	11.2	12.8	11.6	13.1	13.5
	3H	13.3	14.7	13.7	15.1	15.4	12.6	14.1	13.0	14.4	14.7
	4H	13.7	15.1	14.1	15.4	15.8	13.1	14.4	13.5	14.8	15.2
	6H	14.0	15.2	14.4	15.6	16.0	13.4	14.7	13.9	15.1	15.5
	8H	14.0	15.2	14.5	15.6	16.0	13.6	14.8	14.0	15.1	15.5
	12H	14.1	15.2	14.5	15.6	16.0	13.6	14.8	14.1	15.2	15.6
4H	2H	12.3	13.6	12.7	14.0	14.4	11.8	13.1	12.2	13.5	13.9
	3H	13.9	15.1	14.3	15.5	15.9	13.4	14.5	13.8	14.9	15.3
	4H	14.5	15.5	14.9	15.9	16.3	14.0	15.0	14.4	15.4	15.8
	6H	14.8	15.7	15.3	16.2	16.6	14.4	15.3	14.9	15.8	16.2
	8H	14.9	15.8	15.4	16.2	16.7	14.6	15.4	15.1	15.9	16.3
	12H	15.0	15.7	15.5	16.2	16.7	14.7	15.5	15.2	15.9	16.4
8H	4H	14.7	15.5	15.1	15.9	16.4	14.2	15.0	14.7	15.5	15.9
	6H	15.1	15.8	15.6	16.3	16.8	14.8	15.5	15.3	16.0	16.4
	8H	15.3	15.9	15.8	16.4	16.9	15.0	15.6	15.5	16.1	16.6
	12H	15.4	15.9	15.9	16.4	17.0	15.2	15.7	15.7	16.2	16.8
12H	4H	14.7	15.4	15.2	15.9	16.4	14.2	15.0	14.7	15.4	15.9
	6H	15.2	15.8	15.7	16.2	16.8	14.8	15.4	15.3	15.9	16.4
	8H	15.3	15.9	15.8	16.4	16.9	15.1	15.6	15.6	16.1	16.7

(END OF REPORT)