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: P1471790

Luminaire Tested: 24PTR-35S-PW1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471790
	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-35S-PW1-L835-UNV-STD-W
Description:	3500 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:	3437.4 lumens
Efficiency:	N/A
Efficacy:	121.0 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):	28.4
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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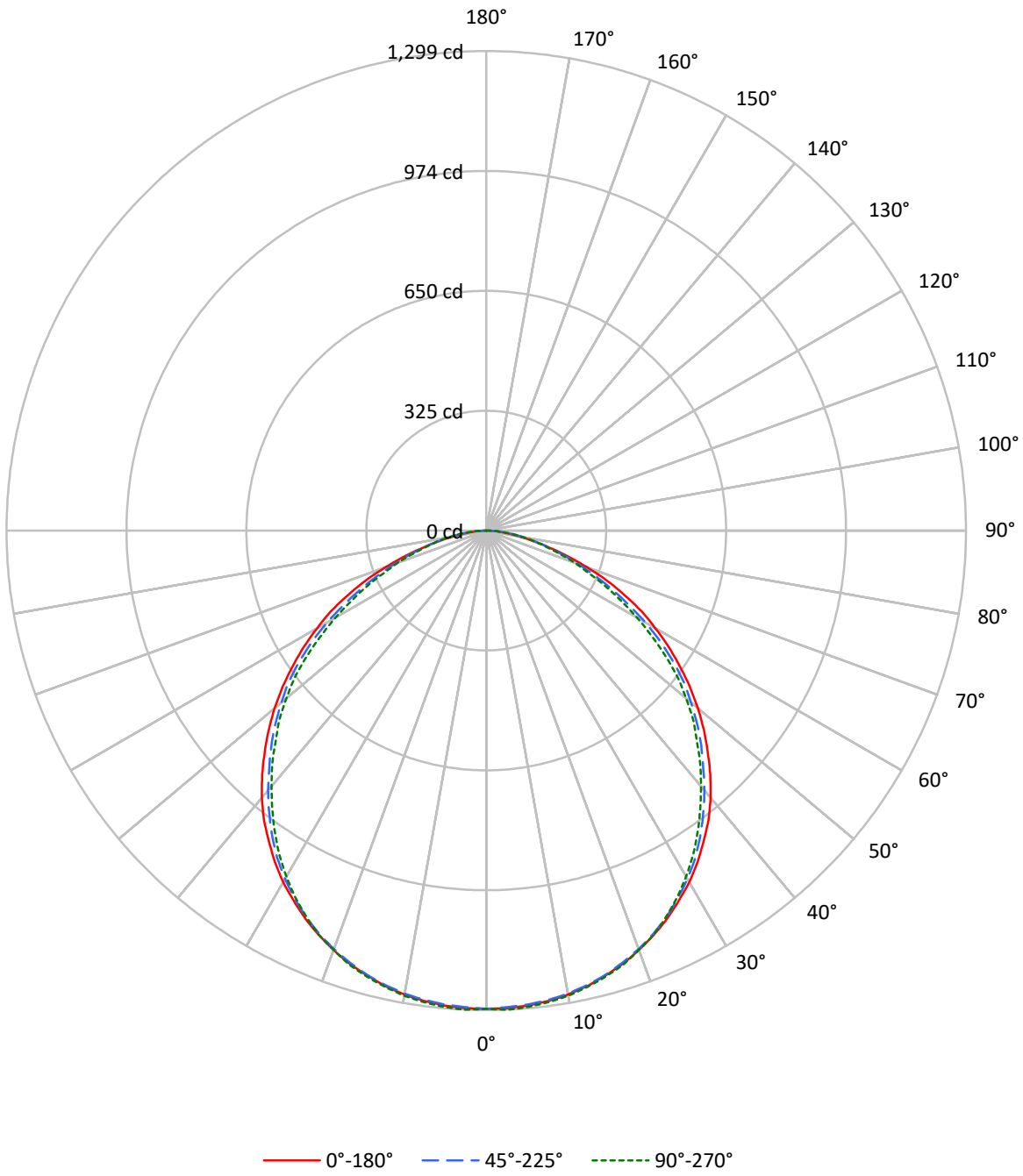
Luminous Intensity Polar Plot

ssed

0% Up

100% Dn



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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°	1743	1743	1743
5°	1744	1741	1749
10°	1743	1740	1748
15°	1738	1735	1742
20°	1731	1727	1731
25°	1722	1714	1713
30°	1708	1693	1682
35°	1686	1660	1639
40°	1660	1614	1589
45°	1614	1566	1534
50°	1565	1514	1479
55°	1500	1449	1391
60°	1422	1338	1268
65°	1316	1195	1136
70°	1140	1040	1001
75°	910	891	866
80°	692	773	773
85°	511	659	659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.6
10°-20°	352.3	10.2
20°-30°	532.5	15.5
30°-40°	632.3	18.4
40°-50°	637.0	18.5
50°-60°	550.6	16.0
60°-70°	376.3	10.9
70°-80°	185.6	5.4
80°-90°	48.0	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°	1007.7	29.3
0°-40°	1639.9	47.7
0°-60°	2827.6	82.3
0°-90°	3437.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3437.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1292	1292	1289	1294	1295	123
15°	1248	1249	1246	1250	1251	352
25°	1160	1159	1155	1156	1154	534
35°	1026	1023	1011	1002	998	642
45°	848	839	823	813	806	655
55°	639	637	618	599	593	572
65°	413	398	375	359	357	408
75°	175	174	171	171	167	191
85°	33	39	43	44	43	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1295.3	1295.3	1295.3	1295.3	*1295.3*
2.5°	*1294.9*	*1295.3*	*1292.0*	*1297.7*	*1299.1*
5°	1291.5	1292.0	1288.7	1293.9	*1295.3*
7.5°	1285.3	1286.2	1282.4	1287.6	*1288.7*
10°	1276.1	1276.6	1273.3	1278.5	*1279.6*
12.5°	1263.7	1264.1	1261.3	1266.0	*1266.0*
15°	1247.8	1249.2	1245.9	1250.3	*1250.6*
17.5°	1230.1	1230.6	1227.3	1232.0	*1233.0*
20°	1209.0	1209.0	1206.2	1210.0	*1209.0*
22.5°	1185.4	1185.4	1182.1	1184.0	*1184.9*
25°	1159.6	1158.6	1154.7	1155.8	*1153.8*
27.5°	1129.8	1129.8	1123.0	1123.0	*1119.7*
30°	1099.6	1097.2	1090.0	1085.7	*1082.3*
32.5°	1064.9	1061.6	1052.5	1044.8	*1042.4*
35°	1026.2	1022.7	1010.7	1001.6	*997.8*
37.5°	988.7	981.0	965.1	956.1	*951.7*
40°	944.9	935.3	919.1	906.5	*904.6*
42.5°	898.0	890.3	869.2	860.0	*857.7*
45°	848.1	838.9	823.0	813.4	*806.3*
47.5°	799.1	792.3	774.2	762.7	*760.2*
50°	747.7	741.9	723.2	710.9	*706.5*
52.5°	694.5	690.6	674.8	658.9	*653.7*
55°	639.4	637.4	617.7	599.4	*593.1*
57.5°	585.1	582.7	558.1	537.0	*531.2*
60°	528.4	521.3	497.2	477.5	*471.2*
62.5°	474.7	459.4	433.4	418.0	*410.9*
65°	413.2	398.3	375.3	358.9	*356.7*
67.5°	352.8	335.0	317.2	307.1	*299.4*
70°	289.9	277.8	264.4	255.8	*254.5*
72.5°	231.3	222.7	215.9	210.7	*206.3*
75°	175.1	173.7	171.3	171.3	*166.6*
77.5°	128.7	132.0	133.9	133.4	*134.5*
80°	89.3	95.9	99.8	100.3	*99.8*
82.5°	56.7	64.4	70.6	71.5	*72.6*
85°	33.1	38.9	42.7	43.6	*42.7*
87.5°	14.8	18.7	19.7	20.6	*19.7*
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	15.2	14.0	15.5	15.8	13.0	14.6	13.4	14.9	15.3
	3H	15.1	16.5	15.5	16.8	17.2	14.4	15.8	14.8	16.2	16.5
	4H	15.5	16.9	15.9	17.2	17.6	14.9	16.2	15.3	16.6	17.0
	6H	15.8	17.0	16.2	17.4	17.8	15.2	16.5	15.7	16.9	17.3
	8H	15.8	17.0	16.3	17.4	17.8	15.4	16.6	15.8	16.9	17.3
	12H	15.9	17.0	16.3	17.4	17.8	15.4	16.6	15.9	17.0	17.4
4H	2H	14.1	15.4	14.5	15.8	16.1	13.6	14.9	14.0	15.3	15.7
	3H	15.7	16.9	16.1	17.3	17.7	15.2	16.3	15.6	16.7	17.1
	4H	16.3	17.3	16.7	17.7	18.1	15.8	16.8	16.2	17.2	17.6
	6H	16.6	17.5	17.1	18.0	18.4	16.2	17.1	16.7	17.6	18.0
	8H	16.7	17.6	17.2	18.0	18.5	16.4	17.2	16.9	17.7	18.1
	12H	16.8	17.5	17.3	18.0	18.5	16.5	17.3	17.0	17.7	18.2
8H	4H	16.5	17.3	16.9	17.7	18.2	16.0	16.8	16.5	17.3	17.7
	6H	16.9	17.6	17.4	18.1	18.6	16.6	17.3	17.1	17.7	18.2
	8H	17.1	17.7	17.6	18.2	18.7	16.8	17.4	17.3	17.9	18.4
	12H	17.2	17.7	17.7	18.2	18.8	17.0	17.5	17.5	18.0	18.6
12H	4H	16.5	17.2	17.0	17.7	18.2	16.0	16.8	16.5	17.2	17.7
	6H	17.0	17.6	17.5	18.0	18.6	16.6	17.2	17.1	17.7	18.2
	8H	17.1	17.7	17.6	18.2	18.7	16.9	17.4	17.4	17.9	18.5

(END OF REPORT)