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: P1471724

Luminaire Tested: 22PTR-35S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471724
	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:	22PTR-35S-PR1-L835-UNV-STD-W
Description:	3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3267.0 lumens
Efficiency:	N/A
Efficacy:	117.1 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.26 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	27.9
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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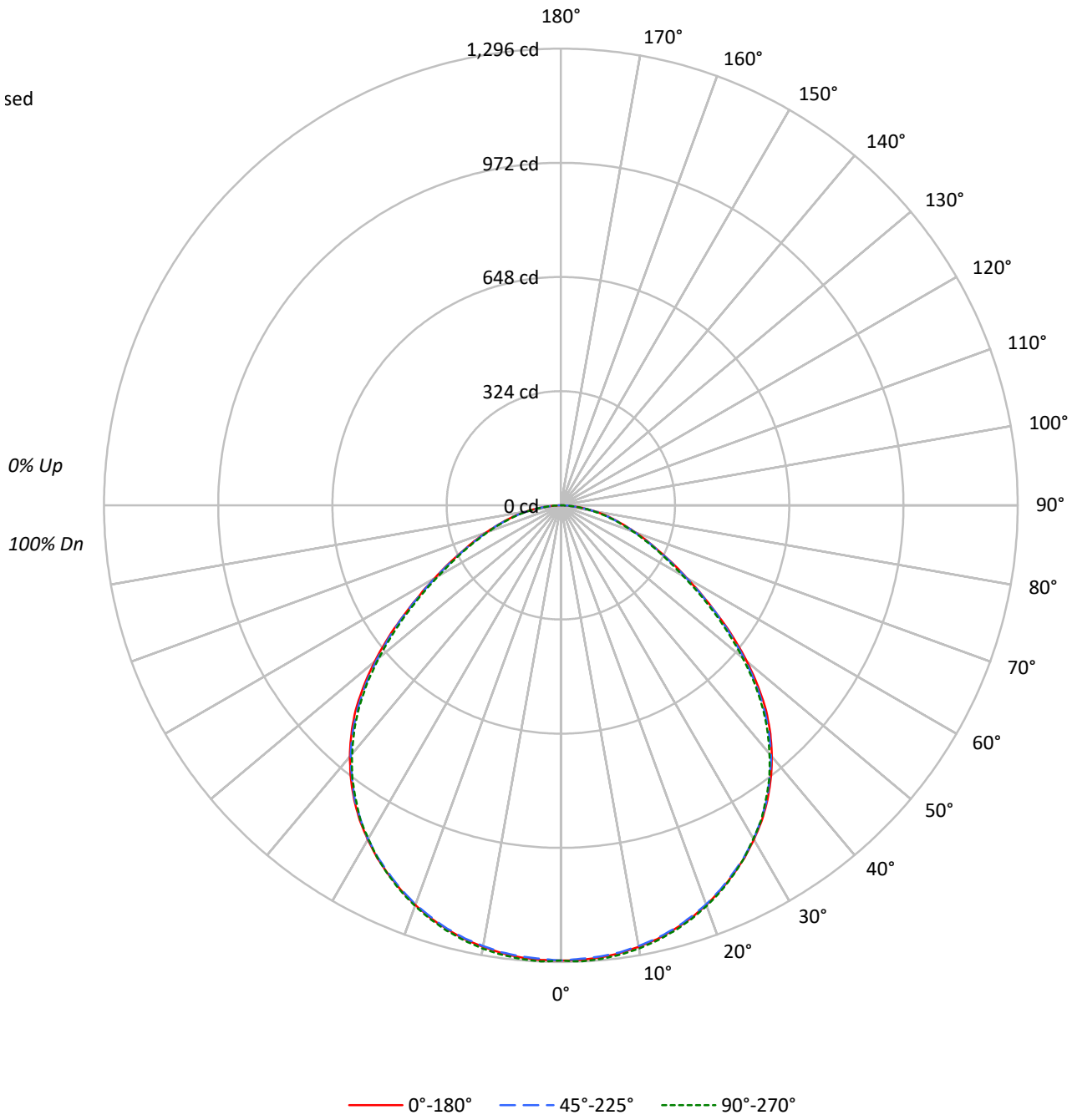
Luminous Intensity Polar Plot



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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	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°	3476	3476	3476
5°	3479	3472	3491
10°	3477	3471	3489
15°	3470	3465	3481
20°	3456	3451	3465
25°	3433	3425	3437
30°	3402	3398	3394
35°	3356	3348	3334
40°	3271	3258	3235
45°	3135	3099	3077
50°	2884	2852	2817
55°	2553	2541	2492
60°	2218	2210	2150
65°	1955	1943	1904
70°	1773	1748	1713
75°	1643	1604	1574
80°	1499	1478	1429
85°	1186	1173	1127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.8
10°-20°	351.7	10.8
20°-30°	532.8	16.3
30°-40°	636.1	19.5
40°-50°	625.6	19.1
50°-60°	483.5	14.8
60°-70°	304.9	9.3
70°-80°	164.9	5.0
80°-90°	45.0	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°	1007.1	30.8
0°-40°	1643.2	50.3
0°-60°	2752.2	84.2
0°-90°	3267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1288	1289	1285	1291	1292	122
15°	1246	1246	1244	1248	1250	352
25°	1156	1157	1153	1157	1158	533
35°	1022	1022	1019	1018	1015	638
45°	824	820	814	808	808	631
55°	544	549	542	533	531	488
65°	307	308	305	300	299	309
75°	158	156	154	155	151	168
85°	38	39	38	38	36	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1291.8	1291.8	1291.8	1291.8	*1291.8*
2.5°	*1291.3*	*1291.8*	*1288.1*	*1294.2*	*1295.5*
5°	1288.1	1288.6	1285.3	1290.8	*1292.3*
7.5°	1281.6	1282.6	1279.4	1284.9	*1286.3*
10°	1272.3	1273.3	1270.1	1275.7	*1277.0*
12.5°	1260.9	1261.2	1258.5	1263.6	*1264.9*
15°	1245.6	1245.9	1243.7	1247.8	*1249.6*
17.5°	1227.9	1228.4	1225.2	1230.3	*1231.1*
20°	1206.7	1207.1	1205.2	1209.4	*1209.9*
22.5°	1183.0	1184.0	1181.1	1184.8	*1185.4*
25°	1156.2	1157.1	1153.4	1157.1	*1157.6*
27.5°	1128.0	1128.3	1125.1	1128.0	*1127.5*
30°	1095.0	1097.9	1093.7	1092.7	*1092.3*
32.5°	1060.9	1061.2	1057.2	1056.1	*1058.0*
35°	1021.5	1021.8	1019.1	1017.8	*1014.9*
37.5°	978.4	978.4	973.2	972.4	*971.9*
40°	931.2	930.6	927.5	924.3	*920.9*
42.5°	879.7	880.7	874.1	868.6	*867.7*
45°	823.7	820.5	814.4	808.0	*808.5*
47.5°	757.5	758.4	750.1	744.9	*743.6*
50°	688.9	688.9	681.2	675.6	*672.8*
52.5°	617.2	617.7	610.3	602.9	*601.4*
55°	544.1	548.6	541.7	533.0	*531.1*
57.5°	475.6	479.3	472.7	463.5	*463.0*
60°	412.2	412.5	410.7	401.9	*399.5*
62.5°	358.0	355.6	354.6	350.1	*347.2*
65°	307.0	307.5	305.2	300.0	*299.1*
67.5°	265.8	265.3	261.1	257.9	*256.0*
70°	225.4	224.1	222.2	219.5	*217.7*
72.5°	189.4	189.4	187.9	187.1	*183.9*
75°	158.0	156.1	154.3	155.1	*151.4*
77.5°	127.9	126.0	124.5	122.6	*121.8*
80°	96.7	94.9	95.4	92.5	*92.2*
82.5°	67.1	67.1	66.3	63.9	*64.4*
85°	38.4	38.9	38.0	38.4	*36.5*
87.5°	14.0	14.3	15.3	14.3	*14.3*
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	14.9	16.4	15.2	16.7	17.0	14.6	16.2	15.0	16.5	16.8
	3H	16.2	17.6	16.6	17.9	18.3	16.0	17.4	16.4	17.7	18.1
	4H	16.7	18.0	17.1	18.4	18.8	16.5	17.8	16.9	18.2	18.6
	6H	17.1	18.4	17.5	18.7	19.1	16.9	18.1	17.3	18.5	18.9
	8H	17.3	18.4	17.7	18.8	19.2	17.0	18.2	17.5	18.6	19.0
	12H	17.3	18.5	17.8	18.8	19.3	17.1	18.2	17.5	18.6	19.0
4H	2H	15.3	16.6	15.7	17.0	17.3	15.1	16.4	15.5	16.8	17.2
	3H	16.9	18.0	17.3	18.4	18.8	16.7	17.8	17.1	18.2	18.6
	4H	17.5	18.5	18.0	18.9	19.4	17.4	18.3	17.8	18.8	19.2
	6H	18.1	18.9	18.5	19.4	19.8	17.9	18.7	18.3	19.2	19.6
	8H	18.2	19.1	18.7	19.5	20.0	18.1	18.9	18.5	19.3	19.8
	12H	18.4	19.1	18.8	19.6	20.0	18.2	18.9	18.7	19.4	19.8
8H	4H	17.8	18.6	18.2	19.0	19.5	17.6	18.4	18.1	18.9	19.3
	6H	18.4	19.1	18.9	19.6	20.1	18.3	18.9	18.8	19.4	19.9
	8H	18.7	19.3	19.2	19.8	20.3	18.5	19.1	19.0	19.6	20.1
	12H	18.9	19.4	19.4	19.9	20.4	18.7	19.2	19.2	19.7	20.3
12H	4H	17.8	18.5	18.3	19.0	19.5	17.6	18.4	18.1	18.8	19.3
	6H	18.5	19.1	19.0	19.5	20.1	18.3	18.9	18.8	19.4	19.9
	8H	18.8	19.3	19.3	19.8	20.3	18.6	19.1	19.1	19.6	20.2

(END OF REPORT)