

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: P1471787

Luminaire Tested: 24PTR-35S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471787
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: 24PTR-35S-PR1-L835-UNV-STD-B
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

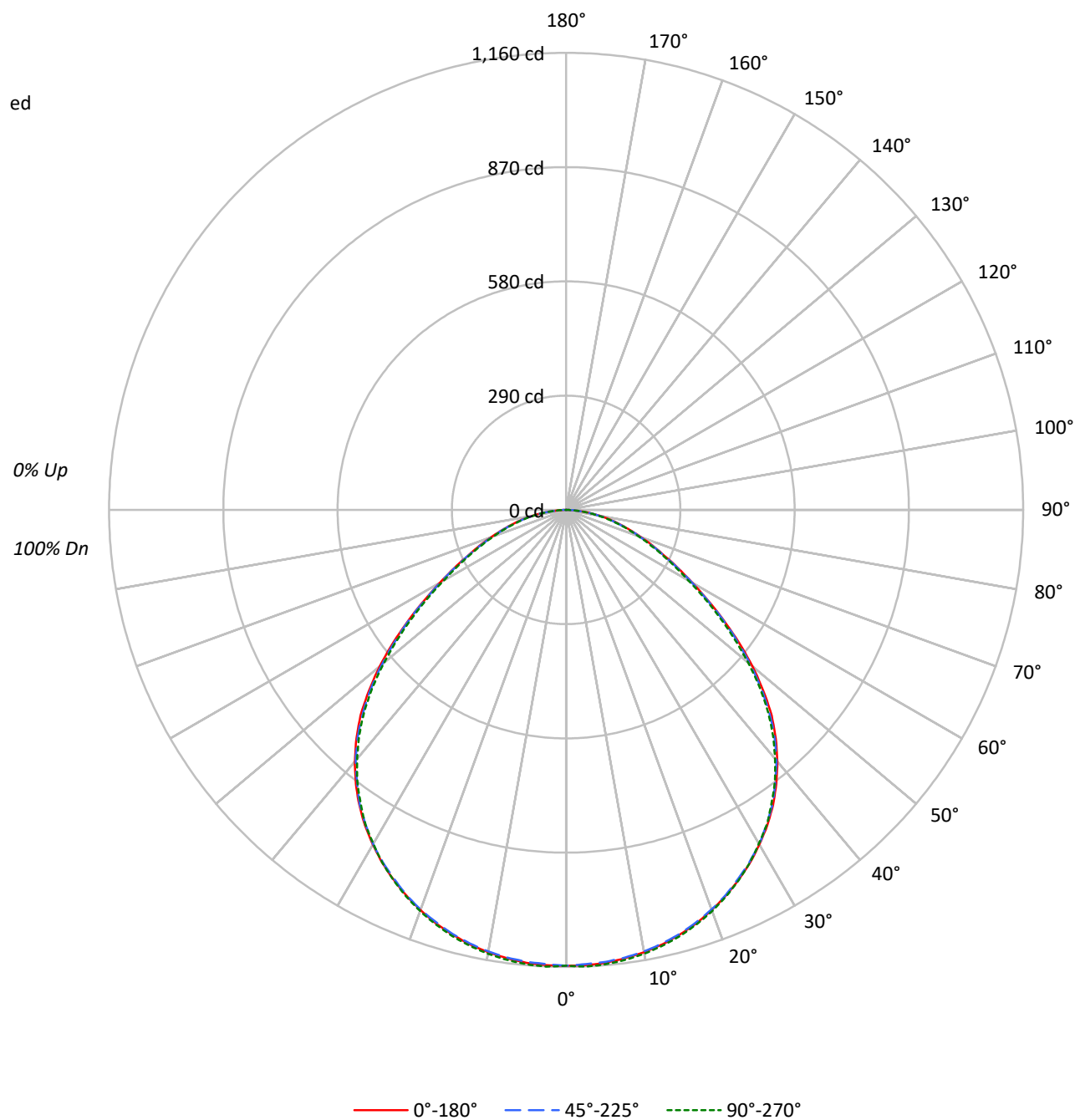
Lumens per Lamp: N/A
Luminaire Lumens: 2926.3 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1557	1557	1557
5°	1558	1555	1563
10°	1557	1554	1563
15°	1554	1552	1559
20°	1548	1546	1552
25°	1538	1534	1539
30°	1524	1522	1520
35°	1503	1499	1493
40°	1465	1459	1449
45°	1404	1388	1378
50°	1292	1277	1261
55°	1143	1138	1116
60°	994	990	963
65°	876	870	853
70°	794	783	767
75°	736	718	705
80°	671	662	640
85°	531	526	505

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1404 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	3.8
10°-20°	315.0	10.8
20°-30°	477.3	16.3
30°-40°	569.8	19.5
40°-50°	560.3	19.1
50°-60°	433.1	14.8
60°-70°	273.1	9.3
70°-80°	147.7	5.0
80°-90°	40.4	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°	902.1	30.8
0°-40°	1471.8	50.3
0°-60°	2465.2	84.2
0°-90°	2926.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1154	1154	1151	1156	1158	110
15°	1116	1116	1114	1118	1119	315
25°	1036	1036	1033	1036	1037	477
35°	915	915	913	912	909	571
45°	738	735	730	724	724	565
55°	487	491	485	477	476	437
65°	275	276	273	269	268	277
75°	142	140	138	139	136	150
85°	34	35	34	34	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.1	1157.1	1157.1	1157.1	1157.1
2.5°	1156.7	1157.1	1153.8	1159.2	1160.4
5°	1153.8	1154.3	1151.2	1156.2	1157.6
7.5°	1147.9	1148.8	1146.0	1150.9	1152.1
10°	1139.6	1140.5	1137.7	1142.7	1143.9
12.5°	1129.4	1129.7	1127.3	1131.8	1133.0
15°	1115.7	1116.0	1114.0	1117.6	1119.3
17.5°	1099.9	1100.3	1097.4	1102.0	1102.7
20°	1080.9	1081.2	1079.5	1083.3	1083.7
22.5°	1059.6	1060.5	1058.0	1061.3	1061.7
25°	1035.7	1036.4	1033.1	1036.4	1036.9
27.5°	1010.3	1010.6	1007.8	1010.3	1009.9
30°	980.8	983.4	979.6	978.7	978.4
32.5°	950.2	950.5	946.9	946.0	947.7
35°	915.0	915.3	912.9	911.6	909.1
37.5°	876.4	876.4	871.7	871.0	870.5
40°	834.0	833.6	830.7	827.9	824.9
42.5°	787.9	788.8	783.0	778.0	777.2
45°	737.8	734.9	729.5	723.7	724.2
47.5°	678.5	679.3	671.9	667.2	666.0
50°	617.1	617.1	610.1	605.2	602.6
52.5°	552.9	553.3	546.7	540.1	538.7
55°	487.3	491.4	485.2	477.4	475.7
57.5°	426.0	429.3	423.4	415.1	414.7
60°	369.2	369.5	367.8	360.0	357.9
62.5°	320.7	318.5	317.6	313.6	311.0
65°	275.0	275.5	273.3	268.7	267.9
67.5°	238.1	237.6	233.9	231.0	229.3
70°	201.9	200.7	199.1	196.6	195.0
72.5°	169.7	169.7	168.3	167.6	164.7
75°	141.5	139.8	138.2	138.9	135.6
77.5°	114.5	112.9	111.5	109.8	109.1
80°	86.6	85.0	85.4	82.9	82.6
82.5°	60.1	60.1	59.4	57.3	57.7
85°	34.4	34.8	34.1	34.4	32.7
87.5°	12.5	12.8	13.7	12.8	12.8
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	12.1	13.6	12.4	13.9	14.3	11.8	13.4	12.2	13.7	14.0
	3H	13.4	14.8	13.8	15.1	15.5	13.2	14.6	13.6	14.9	15.3
	4H	13.9	15.2	14.3	15.6	16.0	13.7	15.0	14.1	15.4	15.8
	6H	14.3	15.6	14.8	15.9	16.3	14.1	15.3	14.5	15.7	16.1
	8H	14.5	15.6	14.9	16.0	16.4	14.2	15.4	14.7	15.8	16.2
	12H	14.5	15.7	15.0	16.0	16.5	14.3	15.4	14.7	15.8	16.2
4H	2H	12.5	13.8	12.9	14.2	14.6	12.3	13.6	12.7	14.0	14.4
	3H	14.1	15.2	14.5	15.6	16.0	13.9	15.0	14.3	15.4	15.8
	4H	14.7	15.7	15.2	16.1	16.6	14.6	15.6	15.0	16.0	16.4
	6H	15.3	16.1	15.7	16.6	17.0	15.1	16.0	15.5	16.4	16.9
	8H	15.5	16.3	15.9	16.7	17.2	15.3	16.1	15.7	16.5	17.0
	12H	15.6	16.3	16.1	16.8	17.2	15.4	16.1	15.9	16.6	17.0
8H	4H	15.0	15.8	15.4	16.2	16.7	14.8	15.6	15.3	16.1	16.5
	6H	15.6	16.3	16.1	16.8	17.3	15.5	16.1	16.0	16.6	17.1
	8H	15.9	16.5	16.4	17.0	17.5	15.7	16.3	16.2	16.8	17.3
	12H	16.1	16.6	16.6	17.1	17.6	15.9	16.4	16.4	16.9	17.5
12H	4H	15.0	15.7	15.5	16.2	16.7	14.8	15.6	15.3	16.0	16.5
	6H	15.7	16.3	16.2	16.7	17.3	15.5	16.1	16.0	16.6	17.1
	8H	16.0	16.5	16.5	17.0	17.6	15.8	16.3	16.3	16.8	17.4

(END OF REPORT)