

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: P1471776

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35S-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

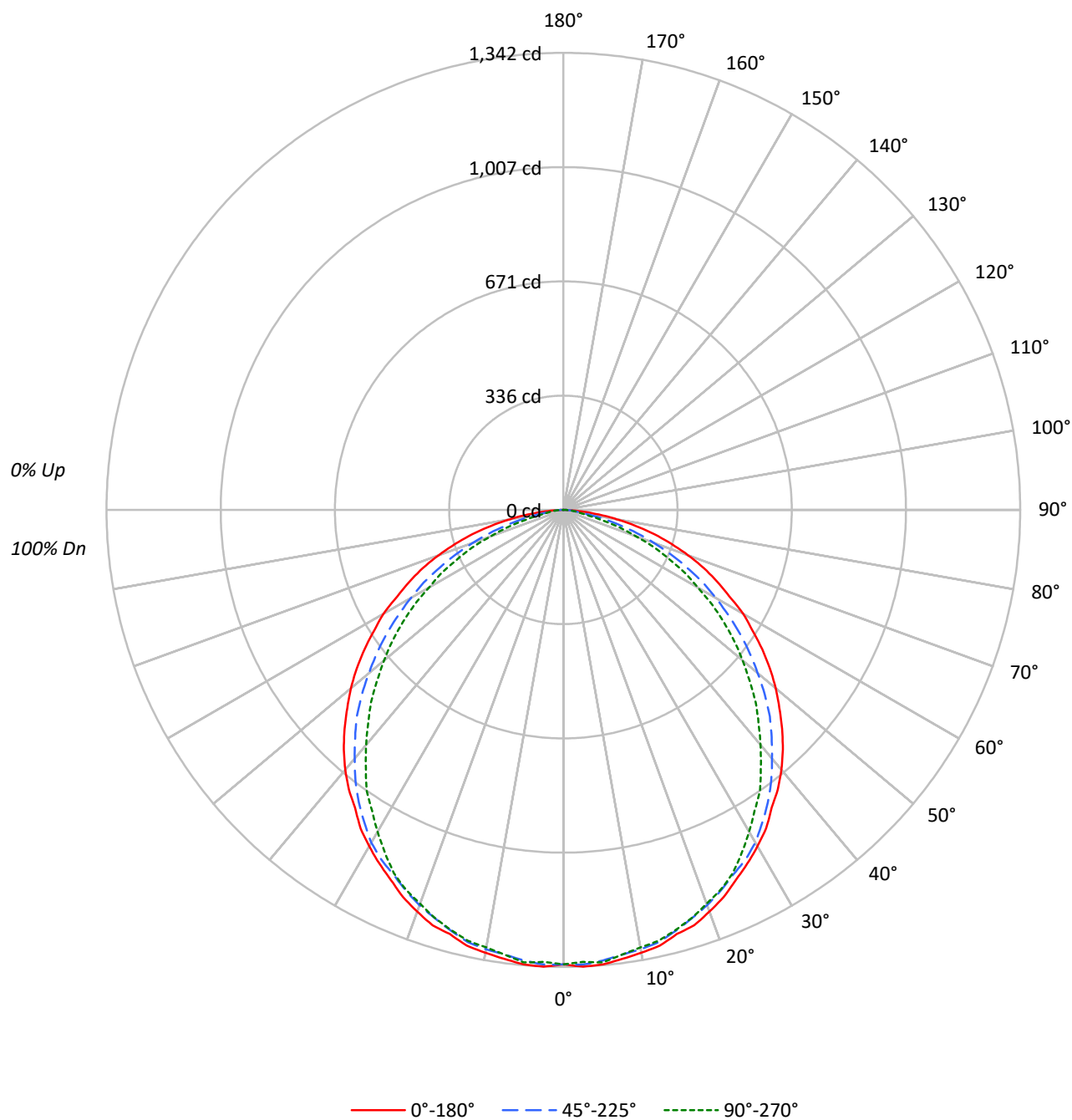
Lumens per Lamp: N/A
Luminaire Lumens: 3554.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1796	1796	1796
5°	1809	1794	1801
10°	1804	1790	1782
15°	1796	1781	1778
20°	1797	1769	1762
25°	1780	1754	1748
30°	1772	1752	1696
35°	1752	1721	1654
40°	1751	1675	1583
45°	1729	1632	1520
50°	1705	1559	1438
55°	1673	1486	1350
60°	1643	1390	1226
65°	1587	1275	1096
70°	1535	1110	894
75°	1442	876	616
80°	1251	530	370
85°	835	380	357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	3.6
10°-20°	362.0	10.2
20°-30°	546.8	15.4
30°-40°	650.1	18.3
40°-50°	659.4	18.5
50°-60°	572.6	16.1
60°-70°	406.5	11.4
70°-80°	194.2	5.5
80°-90°	36.8	1.0
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°	1035.3	29.1
0°-40°	1685.4	47.4
0°-60°	2917.4	82.1
0°-90°	3554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3554.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1339	1335	1328	1331	1334	127
15°	1289	1292	1279	1277	1277	365
25°	1199	1197	1181	1186	1177	554
35°	1067	1065	1048	1012	1007	670
45°	908	901	858	812	799	701
55°	713	692	634	596	576	637
65°	498	461	401	358	344	494
75°	277	226	168	134	118	291
85°	54	29	25	24	23	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1334.6	1334.6	1334.6	1334.6	1334.6
2.5°	1342.5	1337.8	1336.2	1341.7	1328.2
5°	1339.4	1334.6	1328.2	1331.4	1333.8
7.5°	1329.8	1325.8	1317.1	1324.3	1317.1
10°	1320.3	1316.3	1309.9	1312.3	1304.4
12.5°	1310.7	1301.2	1299.6	1301.2	1295.6
15°	1289.3	1292.5	1278.9	1277.4	1276.6
17.5°	1278.9	1271.0	1256.7	1257.5	1255.9
20°	1255.1	1245.6	1235.2	1233.6	1230.5
22.5°	1230.5	1219.3	1209.8	1214.6	1207.4
25°	1198.7	1197.1	1181.2	1185.9	1177.2
27.5°	1170.8	1165.3	1158.1	1147.8	1135.1
30°	1140.6	1135.1	1127.9	1100.9	1091.4
32.5°	1108.8	1102.5	1088.2	1056.4	1046.0
35°	1066.7	1065.1	1047.6	1011.9	1007.1
37.5°	1034.9	1017.4	1003.1	966.6	953.0
40°	996.8	987.2	953.8	918.9	901.4
42.5°	954.6	943.5	905.4	868.0	848.9
45°	908.5	900.6	857.7	812.4	798.8
47.5°	860.8	853.7	802.8	759.1	741.6
50°	814.7	806.0	744.8	702.7	686.8
52.5°	764.7	750.4	689.9	648.6	633.5
55°	713.0	691.5	633.5	596.2	575.5
57.5°	658.2	638.3	573.9	534.9	518.3
60°	610.5	582.6	516.7	476.9	455.5
62.5°	549.3	525.4	462.6	415.7	405.4
65°	498.4	461.0	400.6	357.7	344.2
67.5°	446.7	403.0	341.8	298.1	290.9
70°	390.3	345.0	282.2	239.3	227.3
72.5°	333.1	288.5	227.3	182.0	174.9
75°	277.4	226.5	168.5	133.5	118.4
77.5°	217.0	170.9	118.4	81.9	72.3
80°	161.4	115.3	68.4	48.5	47.7
82.5°	105.7	66.8	36.6	37.4	35.8
85°	54.1	28.6	24.6	23.8	23.1
87.5°	10.3	11.1	11.9	11.9	11.9
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	14.2	15.8	14.5	16.1	16.4	12.9	14.5	13.2	14.8	15.1
	3H	16.0	17.4	16.4	17.8	18.1	14.1	15.6	14.5	15.9	16.3
	4H	16.7	18.1	17.1	18.4	18.8	14.4	15.8	14.8	16.1	16.5
	6H	17.2	18.4	17.6	18.8	19.2	14.5	15.7	14.9	16.1	16.5
	8H	17.3	18.5	17.7	18.9	19.3	14.5	15.7	14.9	16.1	16.5
	12H	17.4	18.5	17.8	18.9	19.3	14.5	15.7	14.9	16.0	16.5
4H	2H	14.6	15.9	15.0	16.3	16.7	13.5	14.9	13.9	15.2	15.6
	3H	16.6	17.7	17.0	18.1	18.5	15.0	16.1	15.4	16.5	16.9
	4H	17.4	18.4	17.8	18.8	19.3	15.3	16.3	15.7	16.7	17.2
	6H	18.0	18.9	18.4	19.3	19.8	15.4	16.3	15.9	16.8	17.2
	8H	18.2	19.0	18.6	19.4	19.9	15.5	16.3	15.9	16.7	17.2
	12H	18.3	19.0	18.7	19.5	19.9	15.5	16.2	16.0	16.7	17.2
8H	4H	17.5	18.3	18.0	18.8	19.2	15.6	16.4	16.0	16.9	17.3
	6H	18.1	18.8	18.6	19.3	19.8	15.7	16.4	16.2	16.9	17.4
	8H	18.3	19.0	18.9	19.5	20.0	15.8	16.4	16.3	16.9	17.4
	12H	18.5	19.0	19.0	19.5	20.1	15.8	16.4	16.3	16.9	17.4
12H	4H	17.5	18.2	18.0	18.7	19.2	15.6	16.4	16.1	16.8	17.3
	6H	18.1	18.7	18.6	19.2	19.7	15.8	16.4	16.3	16.8	17.4
	8H	18.3	18.9	18.9	19.4	19.9	15.8	16.4	16.3	16.9	17.4

(END OF REPORT)