

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: P1050939

Luminaire Tested: 24PTR-30-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PR1-L835-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

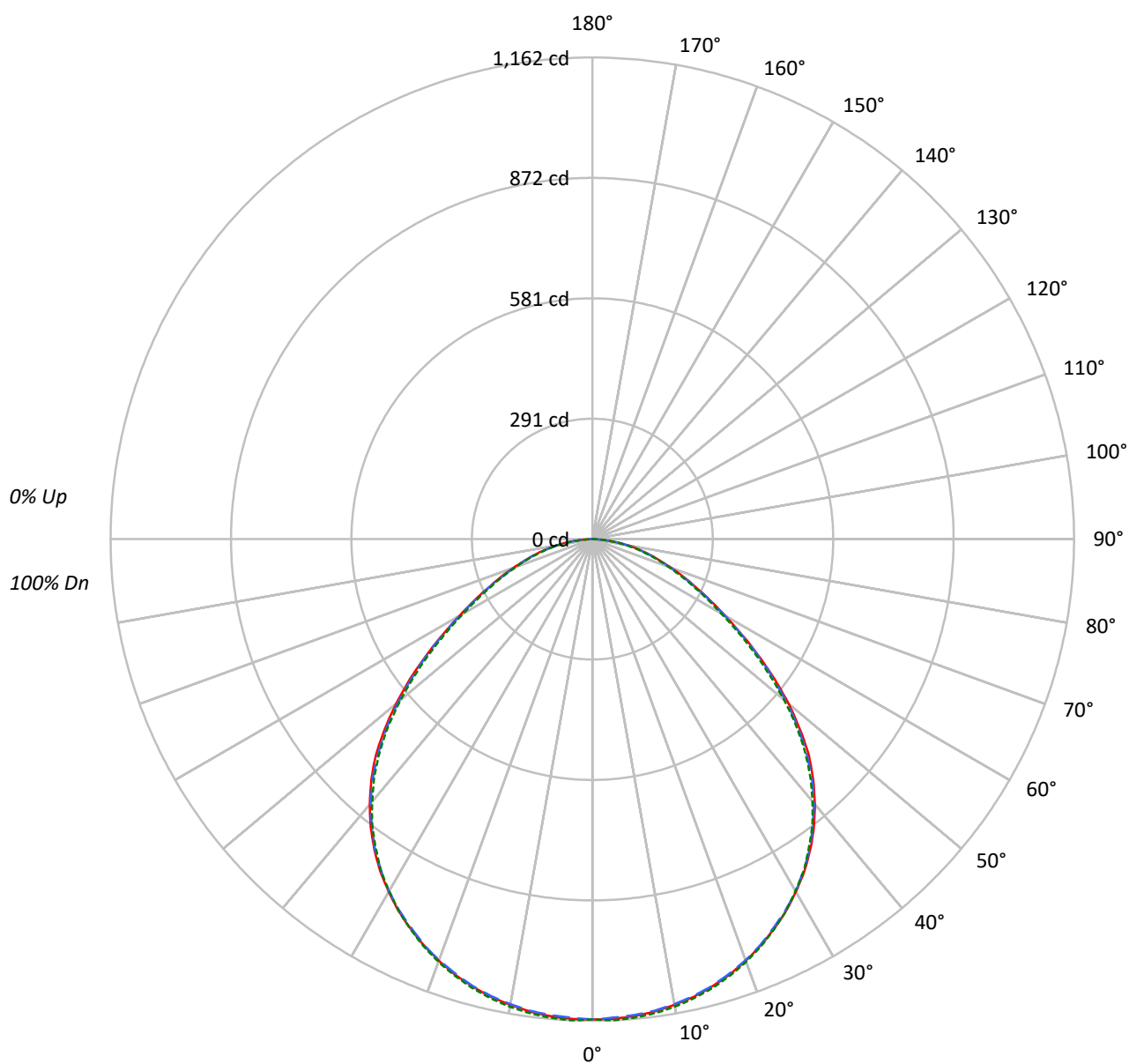
Lumens per Lamp: N/A
Luminaire Lumens: 2930.3 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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	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°	1559	1559	1559
5°	1561	1557	1566
10°	1559	1556	1565
15°	1556	1554	1561
20°	1550	1548	1554
25°	1540	1536	1541
30°	1526	1524	1522
35°	1505	1501	1495
40°	1467	1461	1451
45°	1406	1390	1380
50°	1293	1279	1263
55°	1145	1140	1118
60°	995	991	964
65°	877	871	854
70°	795	784	768
75°	737	719	706
80°	673	663	641
85°	531	526	505

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.8
10°-20°	315.5	10.8
20°-30°	477.9	16.3
30°-40°	570.5	19.5
40°-50°	561.1	19.1
50°-60°	433.7	14.8
60°-70°	273.4	9.3
70°-80°	147.9	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°	903.3	30.8
0°-40°	1473.8	50.3
0°-60°	2468.6	84.2
0°-90°	2930.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1155	1156	1153	1158	1159	110
15°	1117	1118	1116	1119	1121	315
25°	1037	1038	1034	1038	1038	478
35°	916	916	914	913	910	572
45°	739	736	730	725	725	566
55°	488	492	486	478	476	438
65°	275	276	274	269	268	277
75°	142	140	138	139	136	151
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°	1158.7	1158.7	1158.7	1158.7	1158.7
2.5°	1158.3	1158.7	1155.4	1160.8	1162.0
5°	1155.4	1155.8	1152.8	1157.8	1159.2
7.5°	1149.5	1150.4	1147.5	1152.5	1153.7
10°	1141.2	1142.1	1139.2	1144.2	1145.4
12.5°	1130.9	1131.2	1128.8	1133.4	1134.6
15°	1117.2	1117.5	1115.6	1119.2	1120.8
17.5°	1101.4	1101.8	1099.0	1103.5	1104.2
20°	1082.4	1082.7	1081.0	1084.8	1085.2
22.5°	1061.1	1062.0	1059.4	1062.7	1063.2
25°	1037.1	1037.8	1034.5	1037.8	1038.3
27.5°	1011.7	1012.0	1009.2	1011.7	1011.3
30°	982.2	984.7	981.0	980.1	979.8
32.5°	951.5	951.8	948.2	947.3	949.0
35°	916.2	916.5	914.1	912.9	910.3
37.5°	877.6	877.6	872.9	872.2	871.7
40°	835.2	834.7	831.9	829.0	826.0
42.5°	789.0	789.9	784.0	779.1	778.3
45°	738.8	735.9	730.5	724.7	725.2
47.5°	679.5	680.2	672.8	668.2	666.9
50°	617.9	617.9	611.0	606.0	603.4
52.5°	553.6	554.1	547.4	540.8	539.4
55°	488.0	492.1	485.9	478.0	476.4
57.5°	426.6	429.9	424.0	415.7	415.3
60°	369.7	370.0	368.3	360.5	358.4
62.5°	321.1	319.0	318.1	314.0	311.4
65°	275.4	275.8	273.7	269.0	268.3
67.5°	238.4	238.0	234.2	231.3	229.7
70°	202.2	201.0	199.3	196.9	195.3
72.5°	169.9	169.9	168.5	167.8	164.9
75°	141.7	140.0	138.4	139.1	135.8
77.5°	114.7	113.0	111.7	110.0	109.2
80°	86.8	85.1	85.6	83.0	82.7
82.5°	60.2	60.2	59.5	57.3	57.8
85°	34.4	34.9	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



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)