

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: P1050532

Luminaire Tested: 24PTR-30-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

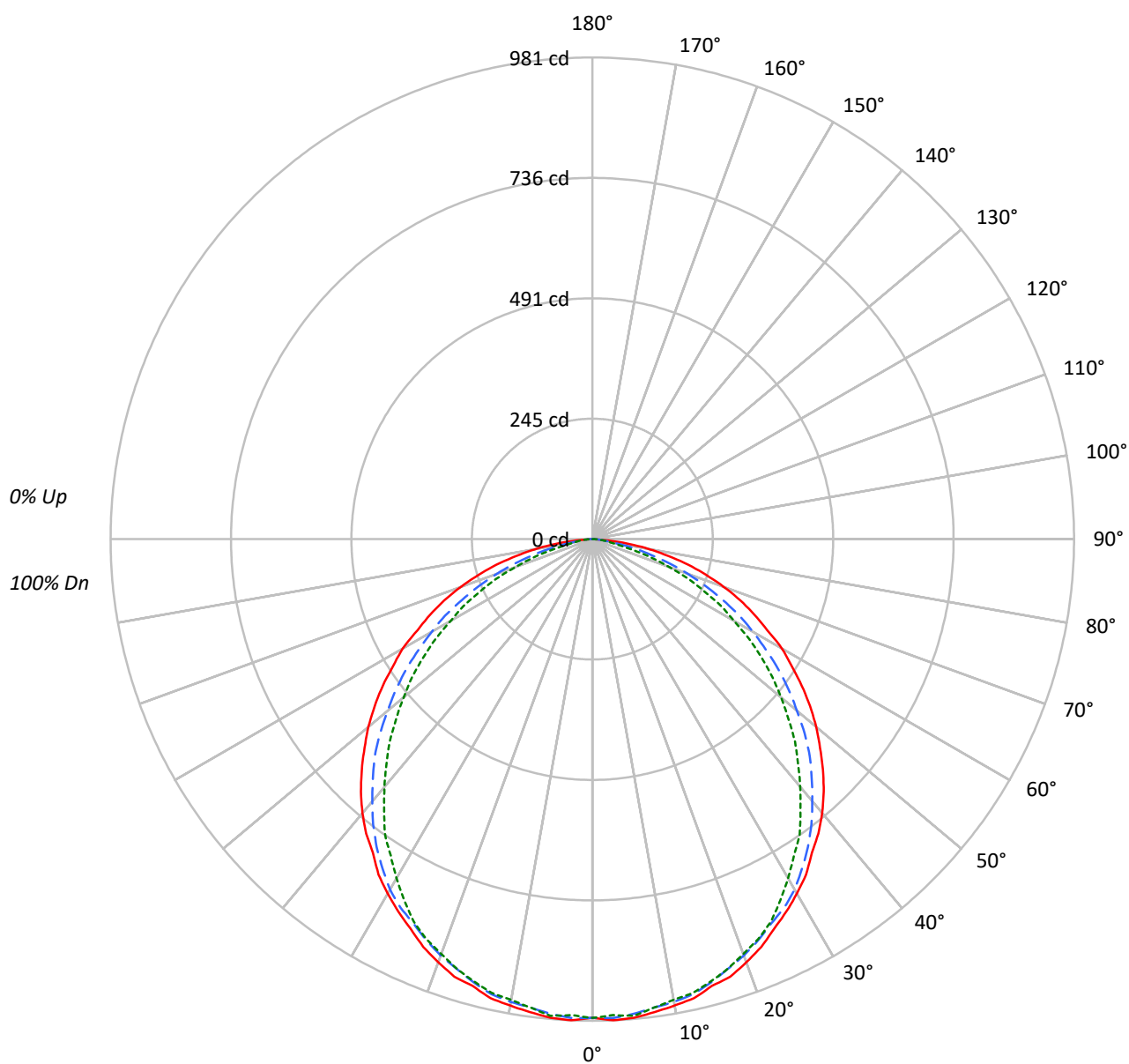
Lumens per Lamp: N/A
Luminaire Lumens: 2597.2 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1312	1312	1312
5°	1322	1311	1316
10°	1318	1307	1302
15°	1312	1302	1299
20°	1313	1292	1287
25°	1300	1281	1277
30°	1295	1280	1239
35°	1280	1257	1209
40°	1279	1224	1157
45°	1263	1192	1110
50°	1246	1139	1050
55°	1222	1086	986
60°	1200	1016	896
65°	1159	932	801
70°	1122	811	653
75°	1054	640	450
80°	914	387	270
85°	610	278	259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.6
10°-20°	264.5	10.2
20°-30°	399.5	15.4
30°-40°	475.0	18.3
40°-50°	481.7	18.5
50°-60°	418.3	16.1
60°-70°	297.0	11.4
70°-80°	141.9	5.5
80°-90°	26.9	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°	756.4	29.1
0°-40°	1231.4	47.4
0°-60°	2131.4	82.1
0°-90°	2597.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2597.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	978	975	970	973	974	93
15°	942	944	934	933	933	267
25°	876	875	863	866	860	404
35°	779	778	765	739	736	490
45°	664	658	627	594	584	512
55°	521	505	463	436	420	465
65°	364	337	293	261	252	361
75°	203	166	123	98	86	213
85°	40	21	18	17	17	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.0	975.0	975.0	975.0	975.0
2.5°	980.8	977.4	976.2	980.3	970.4
5°	978.5	975.0	970.4	972.7	974.5
7.5°	971.6	968.6	962.3	967.5	962.3
10°	964.6	961.7	957.0	958.8	953.0
12.5°	957.6	950.6	949.5	950.6	946.6
15°	941.9	944.3	934.4	933.2	932.6
17.5°	934.4	928.6	918.1	918.7	917.5
20°	917.0	910.0	902.4	901.3	899.0
22.5°	899.0	890.8	883.9	887.3	882.1
25°	875.7	874.6	863.0	866.4	860.1
27.5°	855.4	851.3	846.1	838.6	829.3
30°	833.3	829.3	824.0	804.3	797.3
32.5°	810.1	805.5	795.0	771.8	764.2
35°	779.3	778.2	765.4	739.3	735.8
37.5°	756.1	743.3	732.9	706.2	696.3
40°	728.2	721.3	696.9	671.3	658.5
42.5°	697.5	689.3	661.4	634.2	620.2
45°	663.8	658.0	626.6	593.5	583.6
47.5°	628.9	623.7	586.5	554.6	541.8
50°	595.2	588.9	544.1	513.4	501.7
52.5°	558.7	548.2	504.1	473.9	462.8
55°	520.9	505.2	462.8	435.5	420.4
57.5°	480.8	466.3	419.3	390.8	378.6
60°	446.0	425.7	377.5	348.4	332.8
62.5°	401.3	383.9	338.0	303.7	296.2
65°	364.1	336.8	292.7	261.3	251.5
67.5°	326.4	294.4	249.7	217.8	212.5
70°	285.1	252.0	206.2	174.8	166.1
72.5°	243.3	210.8	166.1	133.0	127.8
75°	202.7	165.5	123.1	97.6	86.5
77.5°	158.5	124.9	86.5	59.8	52.8
80°	117.9	84.2	49.9	35.4	34.8
82.5°	77.2	48.8	26.7	27.3	26.1
85°	39.5	20.9	18.0	17.4	16.8
87.5°	7.5	8.1	8.7	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)