

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: P1050763

Luminaire Tested: 24PTR-30-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PL1-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

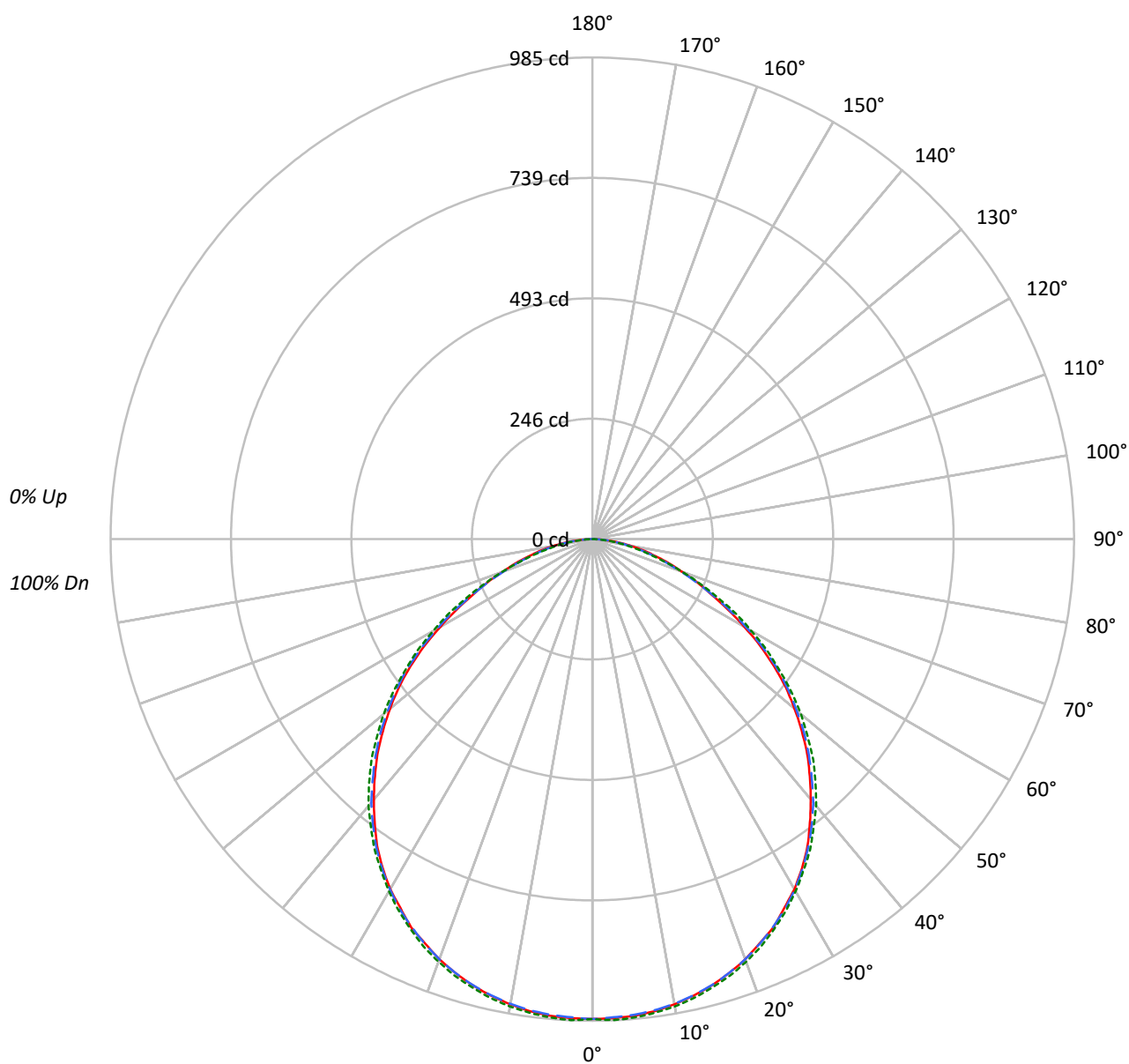
Lumens per Lamp: N/A
Luminaire Lumens: 2587.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1320	1320	1320
5°	1322	1319	1326
10°	1320	1318	1326
15°	1316	1315	1322
20°	1309	1309	1317
25°	1300	1299	1306
30°	1284	1286	1292
35°	1260	1264	1275
40°	1220	1235	1250
45°	1182	1192	1215
50°	1130	1142	1165
55°	1065	1082	1094
60°	966	986	1011
65°	858	867	902
70°	767	751	770
75°	691	652	639
80°	628	583	518
85°	533	483	417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.6
10°-20°	267.0	10.3
20°-30°	403.9	15.6
30°-40°	481.4	18.6
40°-50°	484.1	18.7
50°-60°	410.8	15.9
60°-70°	273.6	10.6
70°-80°	136.6	5.3
80°-90°	36.5	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°	764.0	29.5
0°-40°	1245.4	48.1
0°-60°	2140.3	82.7
0°-90°	2587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	978	979	977	981	982	93
15°	945	946	944	948	949	267
25°	876	876	875	879	880	403
35°	767	768	770	775	776	478
45°	621	622	626	635	639	478
55°	454	457	461	466	466	404
65°	269	272	272	276	283	270
75°	133	131	125	122	123	143
85°	34	34	31	30	27	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	981.4	981.4	981.4	981.4	981.4
2.5°	980.6	981.4	978.8	983.5	984.7
5°	978.5	978.8	976.7	981.0	982.1
7.5°	973.8	974.2	971.9	976.7	977.3
10°	966.1	966.9	965.0	969.4	970.5
12.5°	956.3	957.4	955.5	960.3	961.1
15°	944.7	945.8	944.3	948.3	949.1
17.5°	930.4	931.2	930.4	934.1	936.2
20°	914.4	914.4	914.4	917.7	919.6
22.5°	894.5	896.3	895.5	899.9	901.8
25°	876.0	876.0	874.8	878.9	879.6
27.5°	850.1	853.0	852.7	856.3	857.1
30°	826.4	827.2	827.6	830.1	831.6
32.5°	797.8	798.4	799.6	803.2	803.6
35°	766.9	767.6	769.8	775.2	776.0
37.5°	730.9	734.9	736.7	742.5	743.2
40°	694.8	697.4	702.9	709.0	711.9
42.5°	658.1	661.0	664.3	672.6	675.3
45°	621.4	622.4	626.5	634.9	638.6
47.5°	580.7	584.0	587.6	594.8	597.1
50°	540.0	543.6	545.8	552.3	556.6
52.5°	498.9	502.2	504.7	508.7	513.0
55°	453.8	457.0	461.1	465.5	466.5
57.5°	408.0	411.6	414.2	418.8	423.6
60°	358.9	362.9	366.5	370.9	375.6
62.5°	313.1	314.9	318.6	325.8	332.7
65°	269.4	271.6	272.3	276.4	283.3
67.5°	233.1	233.1	229.8	231.2	238.9
70°	194.9	193.4	190.9	189.5	195.7
72.5°	164.0	162.1	156.7	154.2	157.5
75°	133.0	131.2	125.4	122.5	122.9
77.5°	106.9	104.0	99.2	94.2	93.1
80°	81.1	79.9	75.3	70.6	66.9
82.5°	57.5	55.0	52.3	49.4	46.5
85°	34.5	33.8	31.3	29.5	27.0
87.5°	14.1	14.1	13.5	12.7	12.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)