

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: P1051051

Luminaire Tested: 24PTR-40-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PW1-L930-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

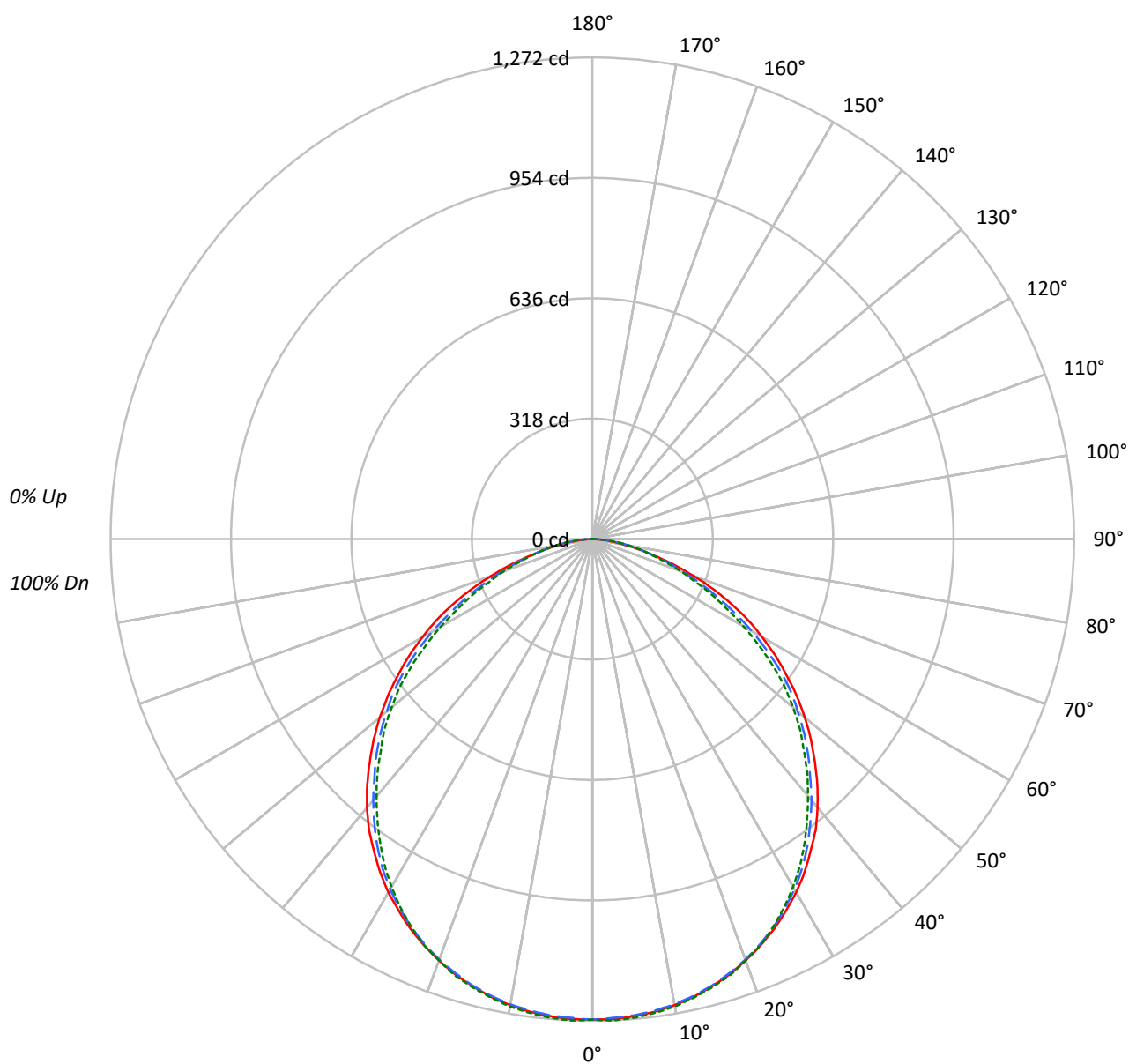
Lumens per Lamp: N/A
Luminaire Lumens: 3366.9 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1707	1707	1707
5°	1708	1705	1714
10°	1708	1704	1712
15°	1702	1700	1706
20°	1695	1692	1695
25°	1686	1679	1678
30°	1673	1659	1647
35°	1651	1626	1605
40°	1626	1581	1556
45°	1581	1534	1503
50°	1533	1483	1449
55°	1469	1419	1363
60°	1393	1311	1242
65°	1288	1170	1112
70°	1117	1019	980
75°	892	872	848
80°	678	757	757
85°	502	647	647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	3.6
10°-20°	345.1	10.2
20°-30°	521.6	15.5
30°-40°	619.3	18.4
40°-50°	623.9	18.5
50°-60°	539.3	16.0
60°-70°	368.6	10.9
70°-80°	181.8	5.4
80°-90°	47.0	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°	987.0	29.3
0°-40°	1606.3	47.7
0°-60°	2769.5	82.3
0°-90°	3366.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3366.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1265	1265	1262	1267	1269	120
15°	1222	1224	1220	1225	1225	345
25°	1136	1135	1131	1132	1130	523
35°	1005	1002	990	981	977	629
45°	831	822	806	797	790	641
55°	626	624	605	587	581	560
65°	405	390	368	352	349	400
75°	172	170	168	168	163	187
85°	32	38	42	43	42	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1268.7	1268.7	1268.7	1268.7	1268.7
2.5°	1268.4	1268.7	1265.4	1271.1	1272.5
5°	1264.9	1265.4	1262.2	1267.3	1268.7
7.5°	1259.0	1259.8	1256.1	1261.2	1262.2
10°	1249.9	1250.4	1247.2	1252.3	1253.3
12.5°	1237.8	1238.1	1235.4	1240.0	1240.0
15°	1222.2	1223.6	1220.4	1224.6	1225.0
17.5°	1204.8	1205.3	1202.1	1206.7	1207.7
20°	1184.1	1184.1	1181.4	1185.2	1184.1
22.5°	1161.1	1161.1	1157.8	1159.7	1160.6
25°	1135.8	1134.8	1131.0	1132.0	1130.2
27.5°	1106.6	1106.6	1099.9	1099.9	1096.7
30°	1077.0	1074.6	1067.6	1063.4	1060.1
32.5°	1043.0	1039.8	1030.9	1023.4	1021.0
35°	1005.1	1001.7	989.9	981.0	977.3
37.5°	968.4	960.9	945.3	936.4	932.2
40°	925.5	916.1	900.2	887.9	886.1
42.5°	879.6	872.0	851.4	842.3	840.1
45°	830.7	821.7	806.1	796.7	789.7
47.5°	782.7	776.0	758.3	747.0	744.6
50°	732.3	726.7	708.4	696.3	692.0
52.5°	680.2	676.5	660.9	645.4	640.2
55°	626.2	624.4	605.1	587.1	581.0
57.5°	573.1	570.7	546.6	526.0	520.3
60°	517.6	510.6	487.0	467.7	461.6
62.5°	465.0	449.9	424.5	409.5	402.5
65°	404.7	390.2	367.6	351.6	349.3
67.5°	345.6	328.1	310.7	300.8	293.3
70°	283.9	272.1	259.0	250.6	249.2
72.5°	226.5	218.1	211.5	206.4	202.1
75°	171.5	170.1	167.7	167.7	163.1
77.5°	126.1	129.3	131.2	130.7	131.7
80°	87.5	94.0	97.7	98.2	97.7
82.5°	55.5	63.0	69.2	70.0	71.1
85°	32.5	38.1	41.9	42.7	41.9
87.5°	14.5	18.3	19.3	20.2	19.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)