

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: P1050996

Luminaire Tested: 24PTR-40-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050996
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-40-PR1-L940-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

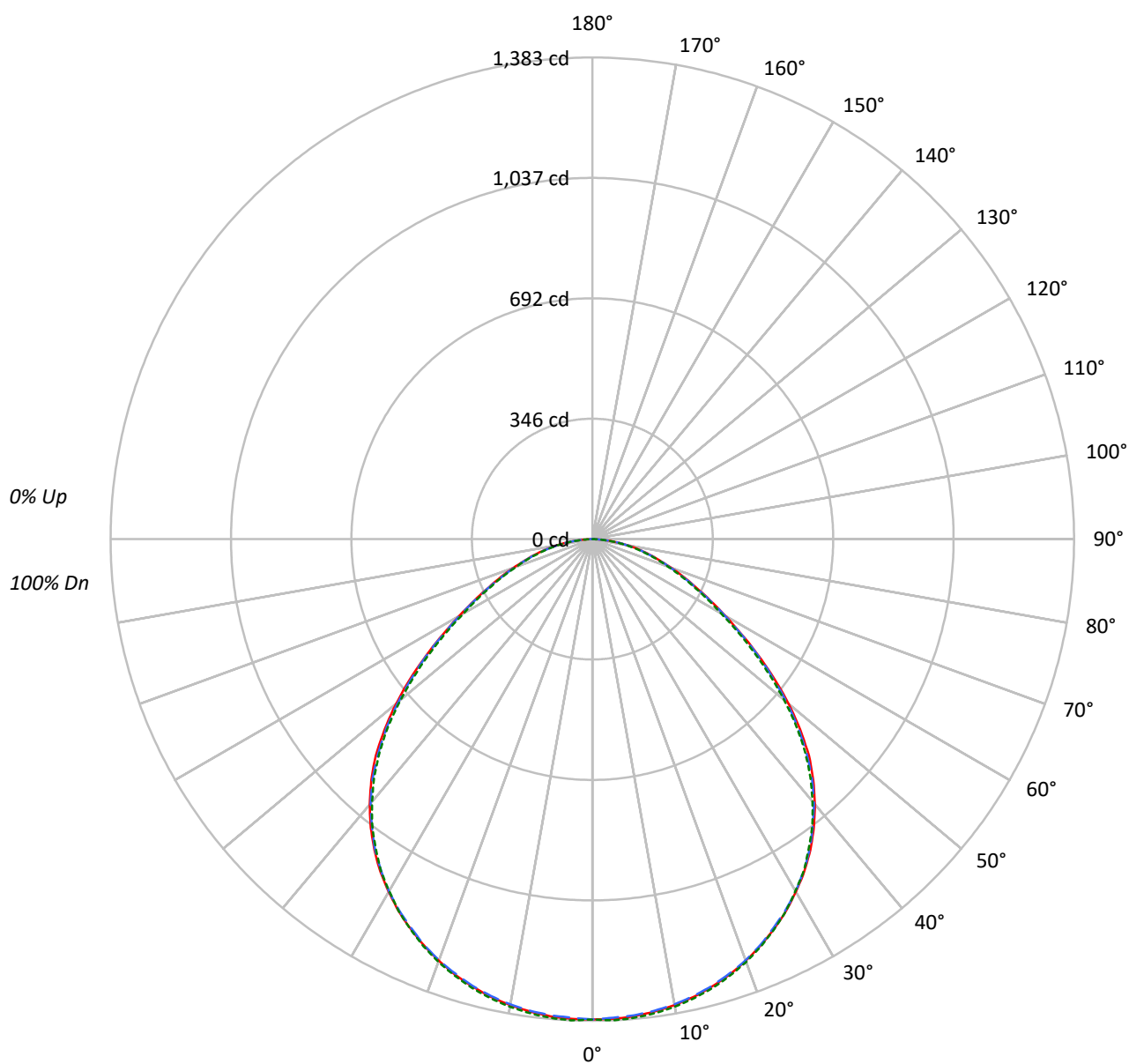
Lumens per Lamp: N/A
Luminaire Lumens: 3488.1 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1856	1856	1856
5°	1858	1853	1864
10°	1856	1853	1863
15°	1852	1850	1858
20°	1845	1842	1850
25°	1833	1828	1835
30°	1816	1814	1812
35°	1791	1787	1780
40°	1746	1739	1727
45°	1673	1654	1643
50°	1540	1522	1504
55°	1363	1357	1330
60°	1184	1180	1148
65°	1044	1037	1017
70°	947	934	914
75°	877	856	841
80°	800	789	762
85°	633	627	602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.8	3.8
10°-20°	375.5	10.8
20°-30°	568.9	16.3
30°-40°	679.1	19.5
40°-50°	667.9	19.1
50°-60°	516.2	14.8
60°-70°	325.5	9.3
70°-80°	176.1	5.0
80°-90°	48.1	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°	1075.2	30.8
0°-40°	1754.4	50.3
0°-60°	2938.5	84.2
0°-90°	3488.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3488.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1375	1376	1372	1378	1380	131
15°	1330	1330	1328	1332	1334	375
25°	1234	1235	1231	1235	1236	569
35°	1091	1091	1088	1087	1084	681
45°	879	876	870	863	863	673
55°	581	586	578	569	567	521
65°	328	328	326	320	319	330
75°	169	167	165	166	162	179
85°	41	42	41	41	39	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1379.3	1379.3	1379.3	1379.3	1379.3
2.5°	1378.7	1379.3	1375.3	1381.8	1383.2
5°	1375.3	1375.8	1372.3	1378.2	1379.8
7.5°	1368.3	1369.4	1366.0	1371.9	1373.3
10°	1358.4	1359.5	1356.1	1362.0	1363.4
12.5°	1346.2	1346.6	1343.7	1349.1	1350.5
15°	1329.9	1330.2	1327.9	1332.2	1334.2
17.5°	1311.0	1311.5	1308.1	1313.5	1314.4
20°	1288.4	1288.7	1286.8	1291.2	1291.8
22.5°	1263.0	1264.1	1261.1	1265.0	1265.6
25°	1234.5	1235.4	1231.4	1235.4	1235.9
27.5°	1204.3	1204.7	1201.3	1204.3	1203.8
30°	1169.1	1172.2	1167.7	1166.6	1166.2
32.5°	1132.6	1133.0	1128.7	1127.6	1129.6
35°	1090.6	1091.0	1088.1	1086.7	1083.6
37.5°	1044.6	1044.6	1039.1	1038.2	1037.6
40°	994.2	993.6	990.2	986.8	983.2
42.5°	939.2	940.3	933.3	927.3	926.4
45°	879.4	876.0	869.5	862.7	863.2
47.5°	808.8	809.7	800.9	795.3	793.9
50°	735.5	735.5	727.3	721.3	718.3
52.5°	659.0	659.5	651.6	643.7	642.1
55°	580.9	585.7	578.4	569.0	567.0
57.5°	507.8	511.7	504.7	494.8	494.3
60°	440.1	440.4	438.4	429.1	426.6
62.5°	382.2	379.7	378.6	373.8	370.7
65°	327.8	328.3	325.8	320.3	319.4
67.5°	283.8	283.3	278.8	275.3	273.4
70°	240.7	239.2	237.3	234.4	232.4
72.5°	202.2	202.2	200.6	199.7	196.3
75°	168.7	166.7	164.7	165.6	161.7
77.5°	136.5	134.5	132.9	130.9	130.0
80°	103.3	101.3	101.8	98.8	98.4
82.5°	71.7	71.7	70.8	68.3	68.8
85°	41.0	41.5	40.6	41.0	39.0
87.5°	14.9	15.3	16.3	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)