

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: P1050831

Luminaire Tested: 24PTR-40-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PLG-L935-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

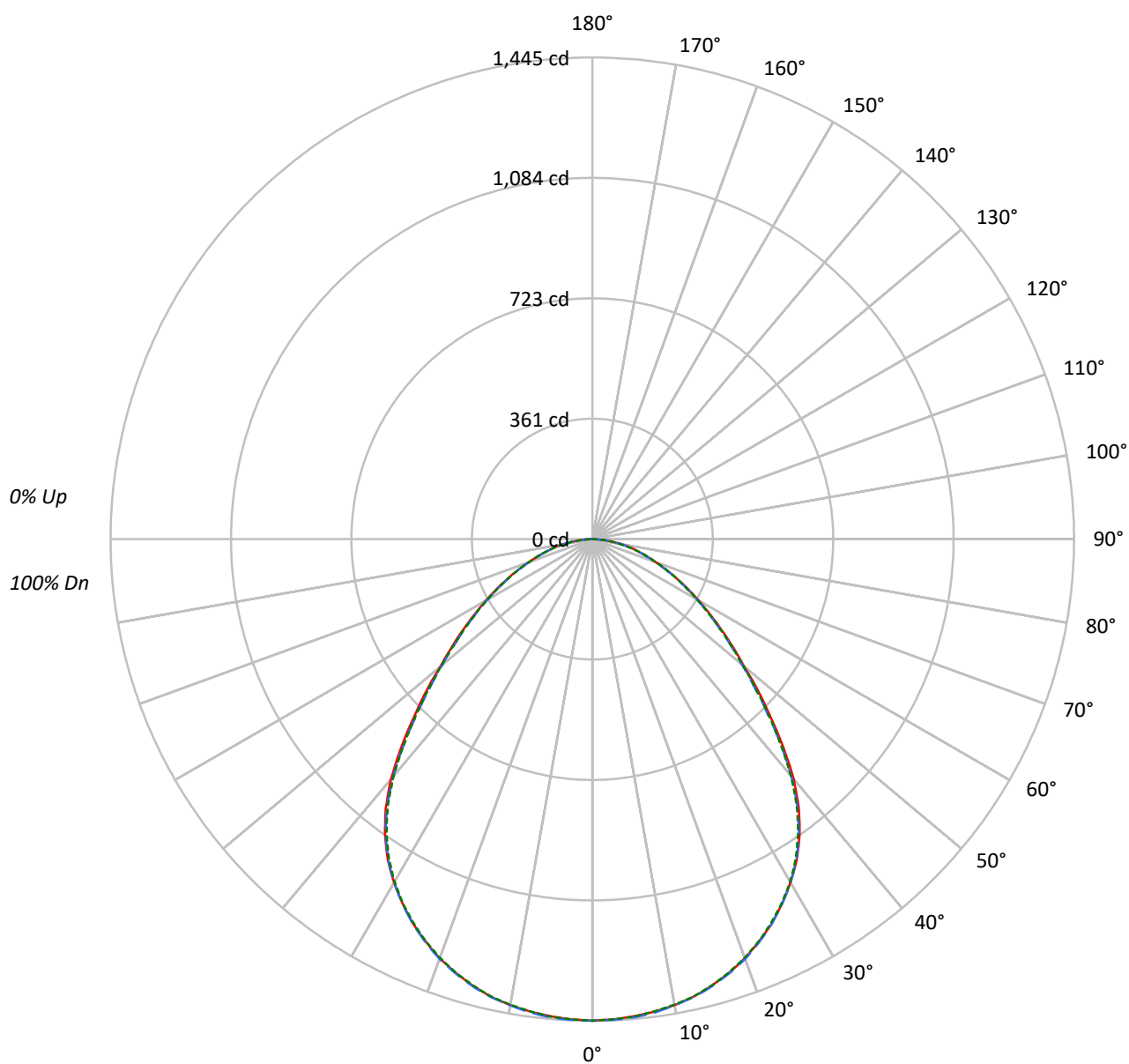
Lumens per Lamp: N/A
Luminaire Lumens: 3255.9 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050831

CATALOG NUMBER: 24PTR-40-PLG-L935-UNV-STD-W

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1944	1944	1944
5°	1941	1945	1942
10°	1939	1940	1938
15°	1931	1934	1930
20°	1916	1919	1913
25°	1889	1891	1885
30°	1848	1848	1843
35°	1781	1775	1767
40°	1650	1632	1626
45°	1442	1419	1424
50°	1245	1230	1236
55°	1107	1090	1092
60°	991	977	977
65°	888	882	885
70°	799	791	799
75°	741	730	741
80°	691	683	659
85°	585	585	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1442 cd/sqm

TEST NUMBER: P1050831

CATALOG NUMBER: 24PTR-40-PLG-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	4.2
10°-20°	391.5	12.0
20°-30°	585.7	18.0
30°-40°	671.1	20.6
40°-50°	580.4	17.8
50°-60°	420.0	12.9
60°-70°	276.7	8.5
70°-80°	150.6	4.6
80°-90°	43.2	1.3
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°	1114.0	34.2
0°-40°	1785.1	54.8
0°-60°	2785.5	85.6
0°-90°	3255.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3255.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1437	1440	1440	1440	1438	137
15°	1386	1388	1389	1391	1386	391
25°	1273	1273	1274	1275	1270	585
35°	1084	1083	1081	1080	1076	673
45°	758	756	746	744	749	587
55°	472	470	465	462	466	425
65°	279	281	277	275	278	279
75°	142	142	140	140	142	152
85°	38	38	38	39	34	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1441.9	1445.0	1443.9	1445.0	1441.9
5°	1436.8	1439.8	1439.8	1439.8	1437.8
7.5°	1429.6	1431.6	1432.7	1433.7	1428.6
10°	1419.3	1421.4	1420.3	1422.4	1418.3
12.5°	1406.0	1406.0	1407.0	1409.1	1405.0
15°	1386.5	1387.5	1388.6	1390.6	1385.5
17.5°	1363.9	1365.0	1366.0	1367.0	1362.9
20°	1338.3	1338.3	1340.4	1341.4	1336.3
22.5°	1306.5	1306.5	1308.6	1311.6	1305.5
25°	1272.7	1272.7	1273.7	1274.7	1269.6
27.5°	1232.7	1232.7	1233.7	1236.8	1230.6
30°	1189.6	1188.6	1189.6	1190.6	1186.5
32.5°	1141.4	1140.4	1139.4	1140.4	1135.3
35°	1084.0	1083.0	1080.9	1079.9	1075.8
37.5°	1017.3	1015.3	1011.2	1011.2	1007.1
40°	939.4	934.3	929.1	927.1	926.0
42.5°	849.1	845.0	837.9	836.8	836.8
45°	757.9	755.8	745.6	744.5	748.6
47.5°	675.8	670.7	661.5	659.4	665.6
50°	594.8	595.8	587.6	584.5	590.7
52.5°	531.2	529.2	522.0	519.9	525.1
55°	471.7	469.7	464.6	461.5	465.6
57.5°	417.4	416.4	411.2	410.2	412.3
60°	368.2	367.1	363.0	362.0	363.0
62.5°	322.0	322.0	317.9	315.9	318.9
65°	278.9	281.0	276.9	274.8	277.9
67.5°	240.0	242.0	237.9	235.9	240.0
70°	203.1	205.1	201.0	199.0	203.1
72.5°	171.3	172.3	169.2	168.2	173.3
75°	142.5	142.5	140.5	140.5	142.5
77.5°	115.9	114.9	113.8	113.8	111.8
80°	89.2	88.2	88.2	88.2	85.1
82.5°	63.6	61.5	62.6	63.6	58.5
85°	37.9	37.9	37.9	39.0	33.8
87.5°	15.4	15.4	14.4	15.4	13.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)