

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: P1051060

Luminaire Tested: 24PTR-30-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051060
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-30-PW1-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

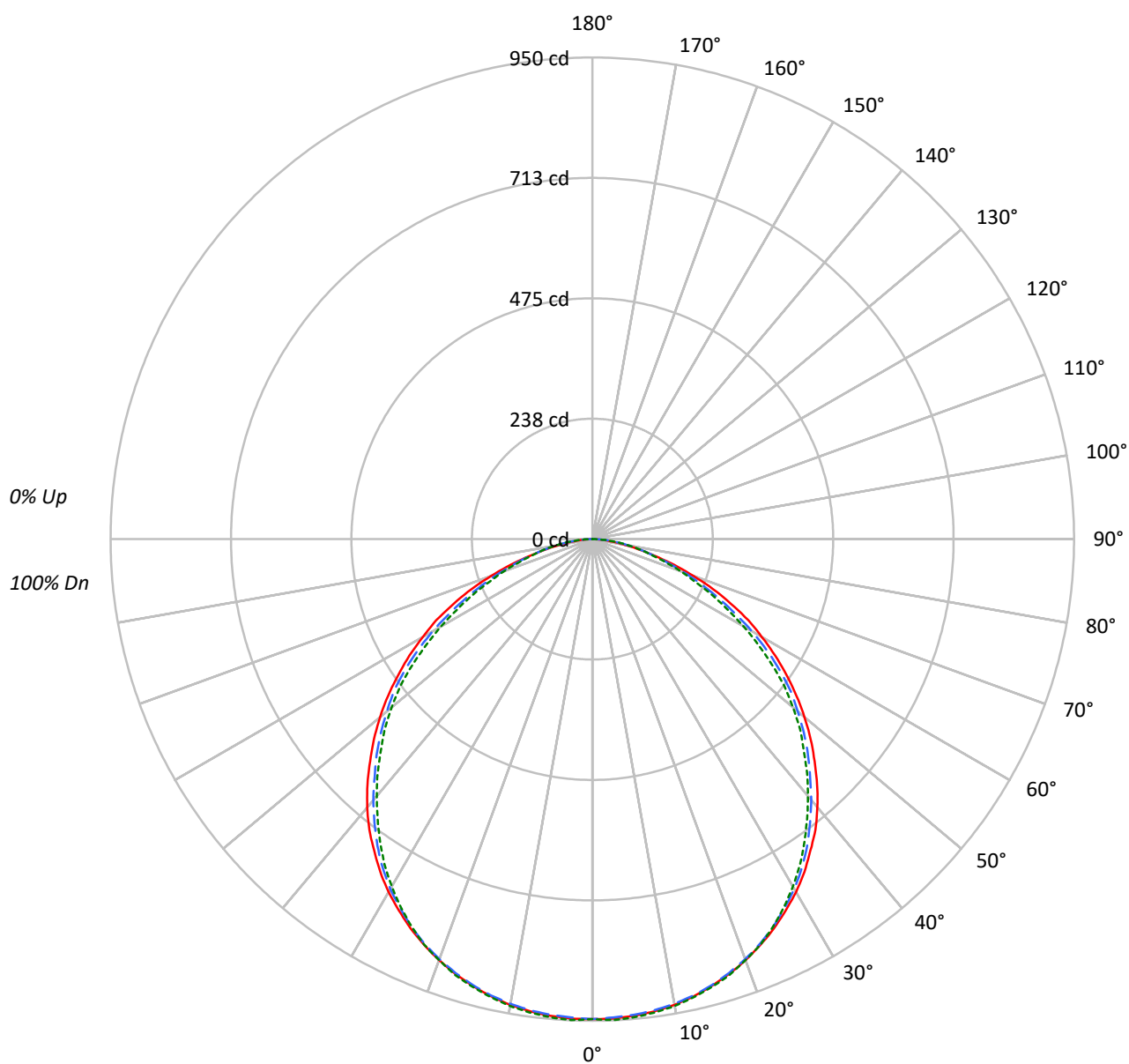
Lumens per Lamp: N/A
Luminaire Lumens: 2512.3 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1274	1274	1274
5°	1275	1272	1279
10°	1274	1271	1278
15°	1270	1268	1273
20°	1265	1262	1265
25°	1258	1253	1252
30°	1249	1238	1229
35°	1232	1213	1198
40°	1213	1180	1161
45°	1180	1145	1121
50°	1144	1106	1081
55°	1096	1059	1017
60°	1039	978	927
65°	961	873	830
70°	833	760	732
75°	665	651	633
80°	506	565	565
85°	374	482	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1180 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.6
10°-20°	257.5	10.2
20°-30°	389.2	15.5
30°-40°	462.1	18.4
40°-50°	465.6	18.5
50°-60°	402.4	16.0
60°-70°	275.0	10.9
70°-80°	135.6	5.4
80°-90°	35.1	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°	736.5	29.3
0°-40°	1198.6	47.7
0°-60°	2066.6	82.3
0°-90°	2512.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	944	944	942	946	947	90
15°	912	913	911	914	914	257
25°	848	847	844	845	843	390
35°	750	748	739	732	729	469
45°	620	613	602	594	589	478
55°	467	466	452	438	434	418
65°	302	291	274	262	261	298
75°	128	127	125	125	122	140
85°	24	28	31	32	31	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.7	946.7	946.7	946.7	946.7
2.5°	946.4	946.7	944.3	948.5	949.5
5°	943.9	944.3	941.8	945.7	946.7
7.5°	939.4	940.0	937.2	941.1	941.8
10°	932.7	933.0	930.6	934.4	935.2
12.5°	923.6	923.9	921.8	925.3	925.3
15°	912.0	913.0	910.6	913.8	914.0
17.5°	899.0	899.4	897.0	900.4	901.2
20°	883.6	883.6	881.5	884.3	883.6
22.5°	866.4	866.4	864.0	865.4	866.0
25°	847.5	846.7	843.9	844.7	843.3
27.5°	825.7	825.7	820.7	820.7	818.3
30°	803.7	801.9	796.7	793.5	791.0
32.5°	778.3	775.9	769.2	763.6	761.9
35°	750.0	747.5	738.7	732.0	729.2
37.5°	722.6	717.0	705.4	698.8	695.6
40°	690.6	683.6	671.7	662.6	661.2
42.5°	656.3	650.7	635.3	628.5	626.9
45°	619.9	613.1	601.5	594.5	589.3
47.5°	584.0	579.1	565.8	557.4	555.6
50°	546.4	542.2	528.6	519.5	516.4
52.5°	507.6	504.8	493.2	481.6	477.7
55°	467.3	465.9	451.5	438.1	433.5
57.5°	427.6	425.9	407.9	392.5	388.3
60°	386.2	381.0	363.4	349.0	344.4
62.5°	347.0	335.7	316.7	305.5	300.3
65°	302.0	291.1	274.3	262.3	260.7
67.5°	257.9	244.9	231.9	224.5	218.9
70°	211.8	203.1	193.2	187.0	186.0
72.5°	169.0	162.8	157.8	154.0	150.8
75°	128.0	127.0	125.2	125.2	121.7
77.5°	94.1	96.5	97.9	97.5	98.3
80°	65.3	70.1	72.9	73.3	72.9
82.5°	41.4	47.0	51.6	52.3	53.0
85°	24.2	28.4	31.2	31.9	31.2
87.5°	10.8	13.6	14.4	15.0	14.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)