

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: P1051071

Luminaire Tested: 24PTR-30-PW1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051071
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-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

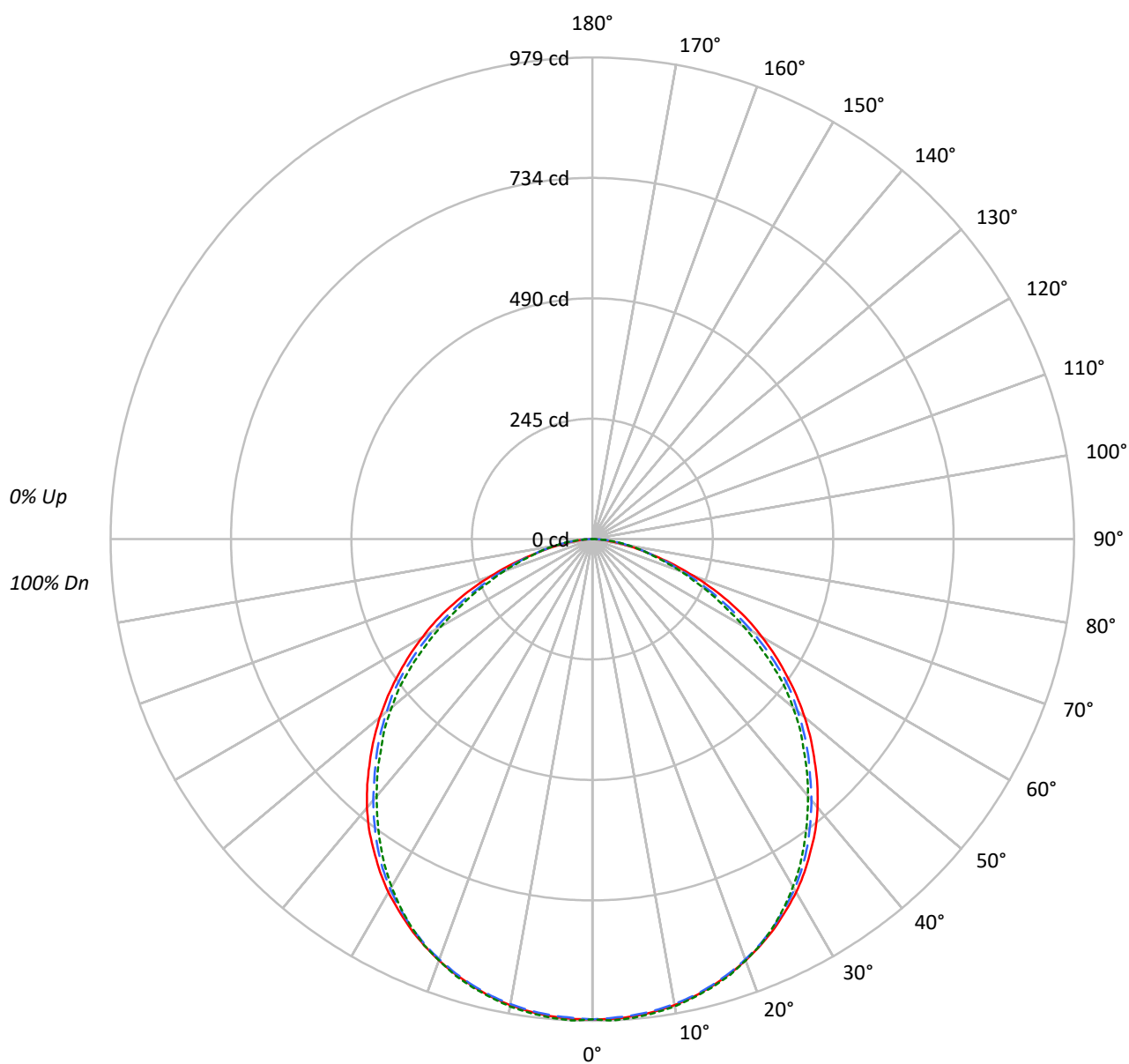
Lumens per Lamp: N/A
Luminaire Lumens: 2590.9 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1314	1314	1314
5°	1315	1312	1319
10°	1314	1311	1318
15°	1310	1308	1313
20°	1305	1302	1305
25°	1298	1292	1291
30°	1288	1276	1267
35°	1271	1251	1235
40°	1251	1217	1198
45°	1216	1180	1156
50°	1180	1141	1115
55°	1130	1092	1049
60°	1072	1009	956
65°	991	901	856
70°	860	784	755
75°	686	671	652
80°	521	583	583
85°	386	497	497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	3.6
10°-20°	265.6	10.3
20°-30°	401.3	15.5
30°-40°	476.6	18.4
40°-50°	480.1	18.5
50°-60°	415.0	16.0
60°-70°	283.6	10.9
70°-80°	139.9	5.4
80°-90°	36.2	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°	759.5	29.3
0°-40°	1236.1	47.7
0°-60°	2131.2	82.3
0°-90°	2590.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2590.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	973	974	971	975	976	93
15°	940	942	939	942	943	265
25°	874	873	870	871	870	403
35°	774	771	762	755	752	484
45°	639	632	620	613	608	493
55°	482	480	466	452	447	431
65°	311	300	283	270	269	307
75°	132	131	129	129	126	144
85°	25	29	32	33	32	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.3	976.3	976.3	976.3	976.3
2.5°	976.0	976.3	973.8	978.1	979.2
5°	973.4	973.8	971.3	975.2	976.3
7.5°	968.8	969.4	966.6	970.5	971.3
10°	961.8	962.2	959.7	963.7	964.5
12.5°	952.5	952.8	950.7	954.2	954.2
15°	940.5	941.6	939.1	942.4	942.6
17.5°	927.1	927.5	925.0	928.6	929.4
20°	911.2	911.2	909.1	912.0	911.2
22.5°	893.5	893.5	891.0	892.4	893.1
25°	874.0	873.2	870.3	871.1	869.7
27.5°	851.5	851.5	846.4	846.4	843.9
30°	828.8	827.0	821.6	818.3	815.8
32.5°	802.6	800.1	793.3	787.5	785.7
35°	773.5	770.8	761.8	754.9	752.0
37.5°	745.2	739.4	727.4	720.6	717.3
40°	712.2	705.0	692.7	683.3	681.8
42.5°	676.8	671.1	655.1	648.2	646.5
45°	639.2	632.3	620.3	613.1	607.7
47.5°	602.3	597.2	583.5	574.8	573.0
50°	563.5	559.2	545.1	535.8	532.5
52.5°	523.4	520.5	508.6	496.6	492.7
55°	481.9	480.5	465.6	451.8	447.1
57.5°	441.0	439.2	420.6	404.7	400.4
60°	398.3	392.9	374.8	359.9	355.2
62.5°	357.8	346.2	326.7	315.1	309.7
65°	311.4	300.2	282.9	270.5	268.8
67.5°	265.9	252.5	239.1	231.5	225.7
70°	218.5	209.4	199.3	192.8	191.8
72.5°	174.3	167.9	162.7	158.8	155.5
75°	132.0	130.9	129.1	129.1	125.5
77.5°	97.0	99.5	101.0	100.6	101.3
80°	67.3	72.3	75.2	75.6	75.2
82.5°	42.7	48.5	53.2	53.9	54.7
85°	25.0	29.3	32.2	32.9	32.2
87.5°	11.2	14.1	14.9	15.5	14.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)