

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: P1050675

Luminaire Tested: 24PTR-30-PC3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PC3-L935-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

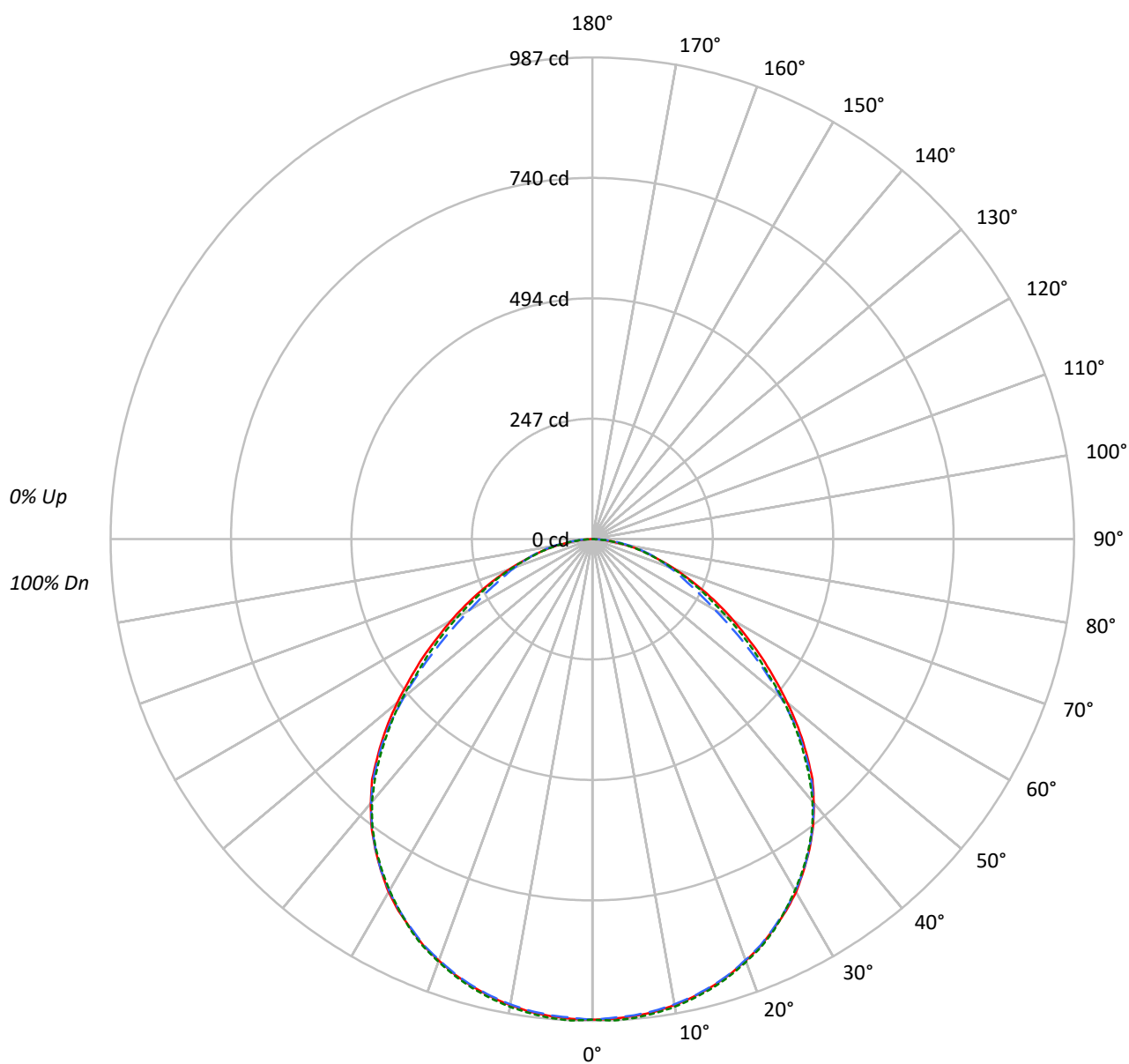
Lumens per Lamp: N/A
Luminaire Lumens: 2482.2 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050675

CATALOG NUMBER: 24PTR-30-PC3-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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1325	1325	1325
5°	1325	1323	1330
10°	1325	1323	1330
15°	1322	1321	1326
20°	1316	1314	1320
25°	1307	1305	1310
30°	1297	1293	1291
35°	1274	1272	1270
40°	1240	1238	1233
45°	1179	1171	1159
50°	1092	1055	1067
55°	996	915	957
60°	898	781	857
65°	803	699	770
70°	712	661	693
75°	630	640	617
80°	543	611	540
85°	408	483	408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1182 cd/sqm

TEST NUMBER: P1050675

CATALOG NUMBER: 24PTR-30-PC3-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	3.8
10°-20°	268.0	10.8
20°-30°	405.8	16.3
30°-40°	483.8	19.5
40°-50°	472.8	19.0
50°-60°	361.5	14.6
60°-70°	232.1	9.4
70°-80°	129.1	5.2
80°-90°	35.7	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°	767.2	30.9
0°-40°	1251.1	50.4
0°-60°	2085.4	84.0
0°-90°	2482.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2482.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	981	982	979	984	985	93
15°	949	950	948	951	952	268
25°	880	881	879	882	882	406
35°	776	776	775	774	773	484
45°	620	621	615	614	609	477
55°	425	410	390	395	408	380
65°	252	233	219	227	242	251
75°	121	122	123	122	119	129
85°	26	31	31	30	26	32
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-30-PC3-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	984.6	984.6	984.6	984.6	984.6
2.5°	983.9	984.3	981.8	986.0	987.4
5°	981.1	981.8	979.3	983.9	985.0
7.5°	976.9	977.5	975.1	979.7	980.1
10°	969.9	970.2	968.1	972.7	973.3
12.5°	960.4	961.4	959.0	963.2	963.5
15°	949.0	949.8	948.0	951.2	952.2
17.5°	935.7	936.1	934.3	937.7	938.1
20°	919.1	919.1	917.7	921.6	921.6
22.5°	902.2	901.1	900.8	902.2	904.3
25°	880.4	881.4	879.0	881.8	882.5
27.5°	859.3	859.3	857.1	858.5	856.7
30°	835.0	833.6	832.2	832.4	830.8
32.5°	805.7	805.7	805.1	805.1	802.9
35°	775.5	776.1	774.7	774.4	773.3
37.5°	743.0	744.2	741.6	741.0	740.2
40°	706.0	706.0	705.0	703.6	701.8
42.5°	667.6	667.6	663.2	659.6	657.1
45°	619.8	621.2	615.2	613.8	608.9
47.5°	572.2	571.2	563.1	562.1	559.3
50°	521.5	515.5	504.0	507.1	509.6
52.5°	470.9	463.4	446.5	450.0	454.2
55°	424.7	410.0	390.2	395.1	407.8
57.5°	376.4	356.7	337.0	346.2	362.0
60°	333.8	311.7	290.2	300.0	318.3
62.5°	293.0	269.5	252.2	261.7	277.1
65°	252.2	232.7	219.4	226.7	242.0
67.5°	214.8	201.8	192.7	196.1	208.4
70°	181.0	172.9	168.0	169.0	176.1
72.5°	148.9	146.9	145.1	145.1	145.7
75°	121.2	122.2	123.2	121.6	118.7
77.5°	95.5	98.9	101.5	97.9	94.4
80°	70.1	75.7	78.9	75.0	69.7
82.5°	47.9	54.3	55.3	52.8	46.8
85°	26.4	31.0	31.3	30.3	26.4
87.5°	9.9	11.6	12.7	11.6	10.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)