

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: P1050686

Luminaire Tested: 24PTR-30-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050686
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-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

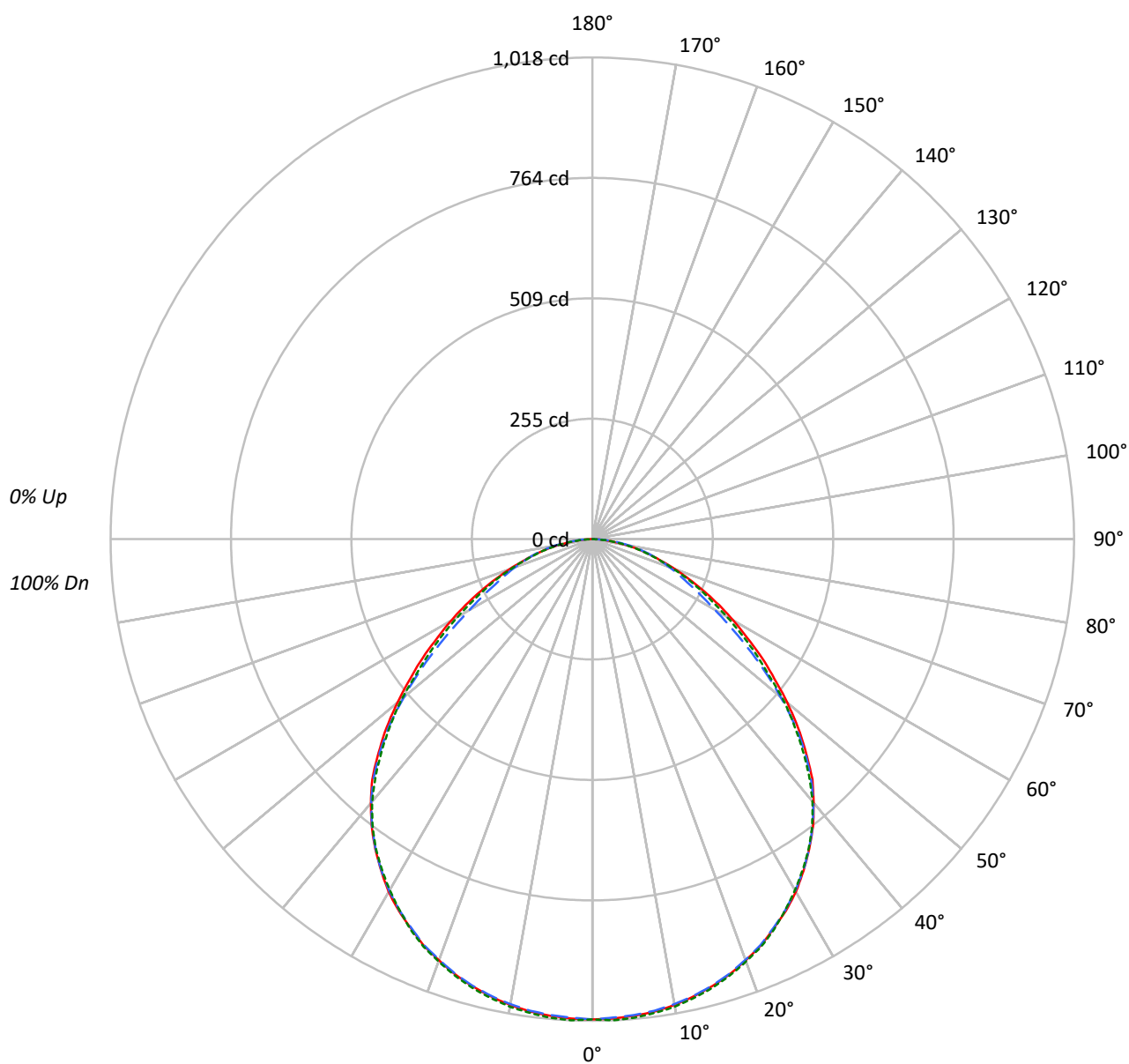
Lumens per Lamp: N/A
Luminaire Lumens: 2558.9 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050686

CATALOG NUMBER: 24PTR-30-PC3-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050686

CATALOG NUMBER: 24PTR-30-PC3-L940-UNV-STD-W

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°	1366	1366	1366
5°	1366	1364	1371
10°	1366	1364	1371
15°	1363	1361	1367
20°	1357	1355	1360
25°	1347	1345	1351
30°	1337	1333	1331
35°	1313	1312	1309
40°	1278	1277	1271
45°	1216	1207	1194
50°	1125	1088	1100
55°	1027	944	986
60°	926	805	883
65°	828	720	794
70°	734	681	714
75°	649	660	636
80°	560	631	557
85°	420	499	420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1219 cd/sqm

TEST NUMBER: P1050686

CATALOG NUMBER: 24PTR-30-PC3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	3.8
10°-20°	276.3	10.8
20°-30°	418.4	16.3
30°-40°	498.8	19.5
40°-50°	487.4	19.0
50°-60°	372.6	14.6
60°-70°	239.3	9.3
70°-80°	133.1	5.2
80°-90°	36.8	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°	790.9	30.9
0°-40°	1289.7	50.4
0°-60°	2149.7	84.0
0°-90°	2558.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2558.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	1011	1012	1010	1014	1015	96
15°	978	979	977	980	982	276
25°	908	909	906	909	910	419
35°	799	800	799	798	797	499
45°	639	640	634	633	628	492
55°	438	423	402	407	420	391
65°	260	240	226	234	249	259
75°	125	126	127	125	122	133
85°	27	32	32	31	27	33
90°	0	0	0	0	0	

TEST NUMBER: P1050686

CATALOG NUMBER: 24PTR-30-PC3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.0	1015.0	1015.0	1015.0	1015.0
2.5°	1014.3	1014.7	1012.1	1016.4	1017.9
5°	1011.4	1012.1	1009.6	1014.3	1015.4
7.5°	1007.1	1007.7	1005.2	1010.0	1010.3
10°	999.8	1000.2	998.0	1002.7	1003.4
12.5°	990.0	991.1	988.6	992.9	993.2
15°	978.3	979.1	977.2	980.5	981.6
17.5°	964.6	965.0	963.1	966.7	967.1
20°	947.4	947.4	946.0	950.1	950.1
22.5°	930.0	929.0	928.6	930.0	932.3
25°	907.6	908.7	906.1	909.1	909.7
27.5°	885.8	885.8	883.6	885.0	883.2
30°	860.8	859.3	857.9	858.1	856.4
32.5°	830.6	830.6	829.9	829.9	827.7
35°	799.4	800.1	798.7	798.3	797.2
37.5°	765.9	767.1	764.5	763.8	763.0
40°	727.8	727.8	726.8	725.3	723.5
42.5°	688.3	688.3	683.6	679.9	677.4
45°	638.9	640.4	634.2	632.7	627.7
47.5°	589.9	588.8	580.5	579.4	576.5
50°	537.6	531.4	519.6	522.7	525.4
52.5°	485.4	477.7	460.3	463.9	468.2
55°	437.8	422.6	402.3	407.3	420.4
57.5°	388.0	367.7	347.4	356.9	373.1
60°	344.1	321.3	299.1	309.3	328.2
62.5°	302.0	277.8	260.0	269.7	285.7
65°	260.0	239.9	226.2	233.7	249.4
67.5°	221.5	208.0	198.6	202.2	214.9
70°	186.6	178.2	173.2	174.2	181.5
72.5°	153.5	151.4	149.6	149.6	150.2
75°	124.9	126.0	127.0	125.3	122.4
77.5°	98.4	102.0	104.6	100.9	97.3
80°	72.3	78.1	81.4	77.3	71.9
82.5°	49.3	55.9	57.0	54.5	48.3
85°	27.2	31.9	32.3	31.3	27.2
87.5°	10.2	12.0	13.1	12.0	10.6
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)