

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: P1050693

Luminaire Tested: 24PTR-80-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050693
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-80-PC3-L940-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

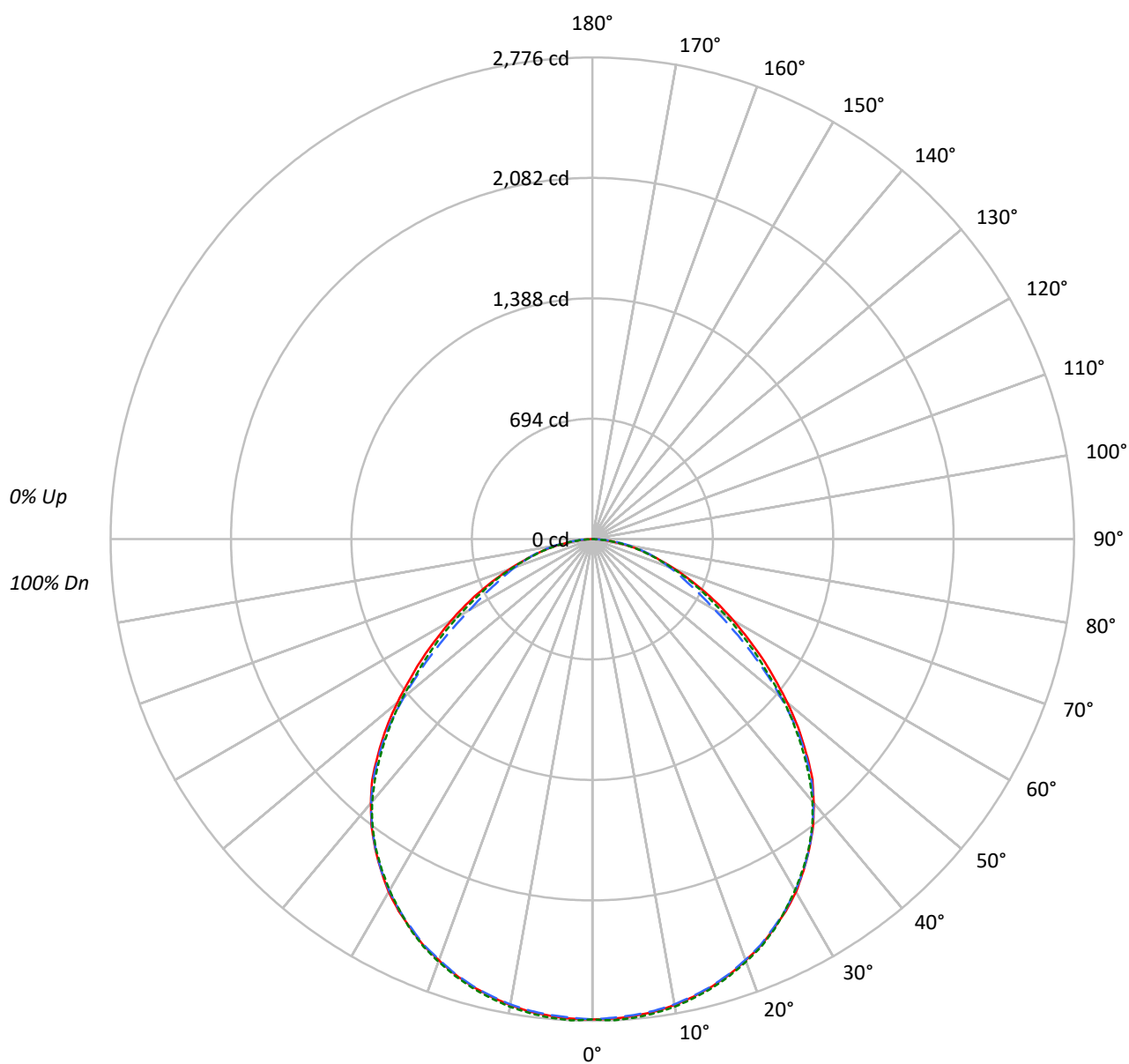
Lumens per Lamp: N/A
Luminaire Lumens: 6979.2 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050693

CATALOG NUMBER: 24PTR-80-PC3-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050693

CATALOG NUMBER: 24PTR-80-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°	3725	3725	3725
5°	3726	3719	3740
10°	3726	3719	3739
15°	3717	3713	3729
20°	3700	3694	3710
25°	3675	3669	3684
30°	3647	3635	3629
35°	3581	3578	3571
40°	3487	3482	3466
45°	3316	3291	3258
50°	3069	2966	2999
55°	2801	2574	2689
60°	2526	2196	2409
65°	2258	1964	2166
70°	2002	1858	1947
75°	1771	1801	1735
80°	1527	1720	1519
85°	1144	1360	1144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3323 cd/sqm

TEST NUMBER: P1050693

CATALOG NUMBER: 24PTR-80-PC3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	3.8
10°-20°	753.6	10.8
20°-30°	1141.0	16.3
30°-40°	1360.4	19.5
40°-50°	1329.2	19.0
50°-60°	1016.4	14.6
60°-70°	652.6	9.4
70°-80°	363.1	5.2
80°-90°	100.3	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°	2157.2	30.9
0°-40°	3517.6	50.4
0°-60°	5863.3	84.0
0°-90°	6979.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6979.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2768	2768	2768	2768	2768	
5°	2759	2760	2754	2766	2769	262
15°	2668	2670	2665	2674	2677	753
25°	2475	2478	2472	2479	2481	1142
35°	2180	2182	2178	2177	2174	1362
45°	1743	1747	1730	1726	1712	1341
55°	1194	1153	1097	1111	1146	1067
65°	709	654	617	638	680	707
75°	341	344	346	342	334	364
85°	74	87	88	85	74	91
90°	0	0	0	0	0	

TEST NUMBER: P1050693

CATALOG NUMBER: 24PTR-80-PC3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2768.3	2768.3	2768.3	2768.3	2768.3
2.5°	2766.5	2767.5	2760.4	2772.2	2776.2
5°	2758.6	2760.4	2753.5	2766.5	2769.3
7.5°	2746.7	2748.5	2741.6	2754.6	2755.7
10°	2726.9	2728.0	2721.9	2734.8	2736.6
12.5°	2700.3	2703.2	2696.3	2708.2	2708.9
15°	2668.3	2670.4	2665.4	2674.4	2677.2
17.5°	2630.8	2631.9	2626.9	2636.6	2637.7
20°	2584.1	2584.1	2580.1	2591.3	2591.3
22.5°	2536.6	2533.7	2532.6	2536.6	2542.7
25°	2475.4	2478.3	2471.5	2479.4	2481.2
27.5°	2416.1	2416.1	2410.0	2413.9	2408.9
30°	2347.7	2343.8	2339.8	2340.5	2335.8
32.5°	2265.3	2265.3	2263.5	2263.5	2257.4
35°	2180.4	2182.2	2178.3	2177.2	2174.3
37.5°	2089.1	2092.3	2085.1	2083.3	2081.1
40°	1985.1	1985.1	1982.2	1978.3	1973.2
42.5°	1877.2	1877.2	1864.6	1854.5	1847.7
45°	1742.6	1746.6	1729.7	1725.7	1712.0
47.5°	1608.8	1605.9	1583.3	1580.4	1572.5
50°	1466.3	1449.4	1417.0	1425.7	1432.9
52.5°	1323.9	1303.0	1255.5	1265.2	1277.1
55°	1194.0	1152.6	1097.2	1110.9	1146.5
57.5°	1058.4	1003.0	947.6	973.5	1017.7
60°	938.6	876.3	815.9	843.6	895.1
62.5°	823.8	757.6	709.1	735.7	779.2
65°	709.1	654.4	617.0	637.5	680.3
67.5°	604.0	567.3	541.8	551.5	586.0
70°	509.0	486.0	472.3	475.2	495.0
72.5°	418.7	413.0	408.0	408.0	409.8
75°	340.7	343.6	346.4	341.8	333.8
77.5°	268.4	278.1	285.3	275.2	265.5
80°	197.1	213.0	222.0	210.8	196.1
82.5°	134.5	152.5	155.4	148.6	131.7
85°	74.1	87.1	88.1	85.3	74.1
87.5°	27.7	32.7	35.6	32.7	28.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)