

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: P1050627

Luminaire Tested: 24PTR-80-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050627
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-L830-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

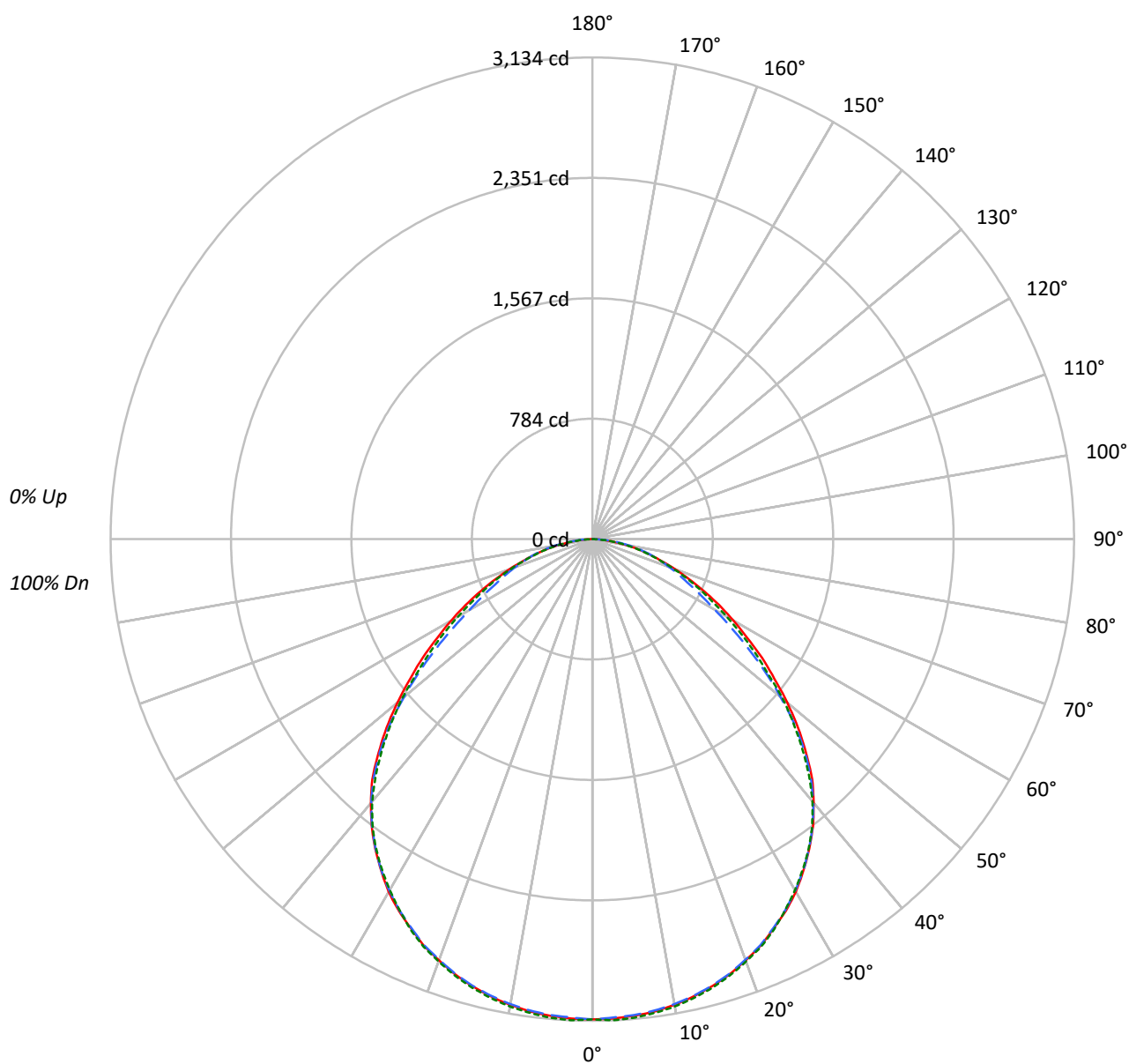
Lumens per Lamp: N/A
Luminaire Lumens: 7877.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050627

CATALOG NUMBER: 24PTR-80-PC3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050627

CATALOG NUMBER: 24PTR-80-PC3-L830-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°	4204	4204	4204
5°	4205	4198	4222
10°	4205	4197	4220
15°	4195	4191	4209
20°	4176	4170	4188
25°	4148	4141	4158
30°	4117	4103	4096
35°	4042	4038	4031
40°	3935	3930	3912
45°	3743	3715	3677
50°	3464	3348	3385
55°	3161	2905	3036
60°	2851	2478	2718
65°	2548	2217	2444
70°	2260	2097	2198
75°	1999	2033	1959
80°	1724	1941	1715
85°	1291	1536	1291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3751 cd/sqm

TEST NUMBER: P1050627

CATALOG NUMBER: 24PTR-80-PC3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.4	3.8
10°-20°	850.6	10.8
20°-30°	1287.9	16.3
30°-40°	1535.5	19.5
40°-50°	1500.3	19.0
50°-60°	1147.2	14.6
60°-70°	736.5	9.4
70°-80°	409.8	5.2
80°-90°	113.2	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°	2434.9	30.9
0°-40°	3970.3	50.4
0°-60°	6617.9	84.0
0°-90°	7877.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7877.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3124	3124	3124	3124	3124	
5°	3114	3116	3108	3122	3126	296
15°	3012	3014	3008	3019	3022	850
25°	2794	2797	2790	2798	2800	1289
35°	2461	2463	2459	2457	2454	1537
45°	1967	1971	1952	1948	1932	1513
55°	1348	1301	1238	1254	1294	1205
65°	800	739	696	720	768	798
75°	384	388	391	386	377	411
85°	84	98	100	96	84	103
90°	0	0	0	0	0	

TEST NUMBER: P1050627

CATALOG NUMBER: 24PTR-80-PC3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3122.5	3123.7	3115.6	3129.0	3133.5
5°	3113.6	3115.6	3107.9	3122.5	3125.8
7.5°	3100.2	3102.2	3094.5	3109.1	3110.3
10°	3077.8	3079.1	3072.2	3086.8	3088.8
12.5°	3047.8	3051.0	3043.3	3056.7	3057.5
15°	3011.7	3014.1	3008.4	3018.6	3021.8
17.5°	2969.4	2970.6	2965.0	2975.9	2977.1
20°	2916.6	2916.6	2912.2	2924.8	2924.8
22.5°	2863.0	2859.8	2858.6	2863.0	2869.9
25°	2794.0	2797.3	2789.6	2798.5	2800.5
27.5°	2727.0	2727.0	2720.1	2724.6	2718.9
30°	2649.9	2645.4	2640.9	2641.8	2636.5
32.5°	2556.9	2556.9	2554.9	2554.9	2548.0
35°	2461.1	2463.1	2458.6	2457.4	2454.2
37.5°	2357.9	2361.6	2353.5	2351.4	2349.0
40°	2240.6	2240.6	2237.3	2232.9	2227.2
42.5°	2118.8	2118.8	2104.5	2093.2	2085.5
45°	1966.9	1971.4	1952.3	1947.8	1932.4
47.5°	1815.8	1812.6	1787.0	1783.8	1774.8
50°	1655.1	1636.0	1599.4	1609.2	1617.3
52.5°	1494.3	1470.7	1417.1	1428.1	1441.5
55°	1347.7	1301.0	1238.4	1253.9	1294.1
57.5°	1194.6	1132.1	1069.5	1098.8	1148.7
60°	1059.4	989.1	920.9	952.2	1010.2
62.5°	929.9	855.1	800.3	830.4	879.5
65°	800.3	738.6	696.4	719.5	767.8
67.5°	681.8	640.3	611.5	622.5	661.5
70°	574.6	548.6	533.1	536.4	558.7
72.5°	472.6	466.1	460.5	460.5	462.5
75°	384.5	387.8	391.0	385.7	376.8
77.5°	302.9	313.9	322.0	310.6	299.7
80°	222.5	240.4	250.5	237.9	221.3
82.5°	151.9	172.2	175.4	167.7	148.6
85°	83.6	98.3	99.5	96.2	83.6
87.5°	31.3	37.0	40.2	37.0	32.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)