

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: P1192925

Luminaire Tested: 24PT-80-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-80-PB1-L930
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

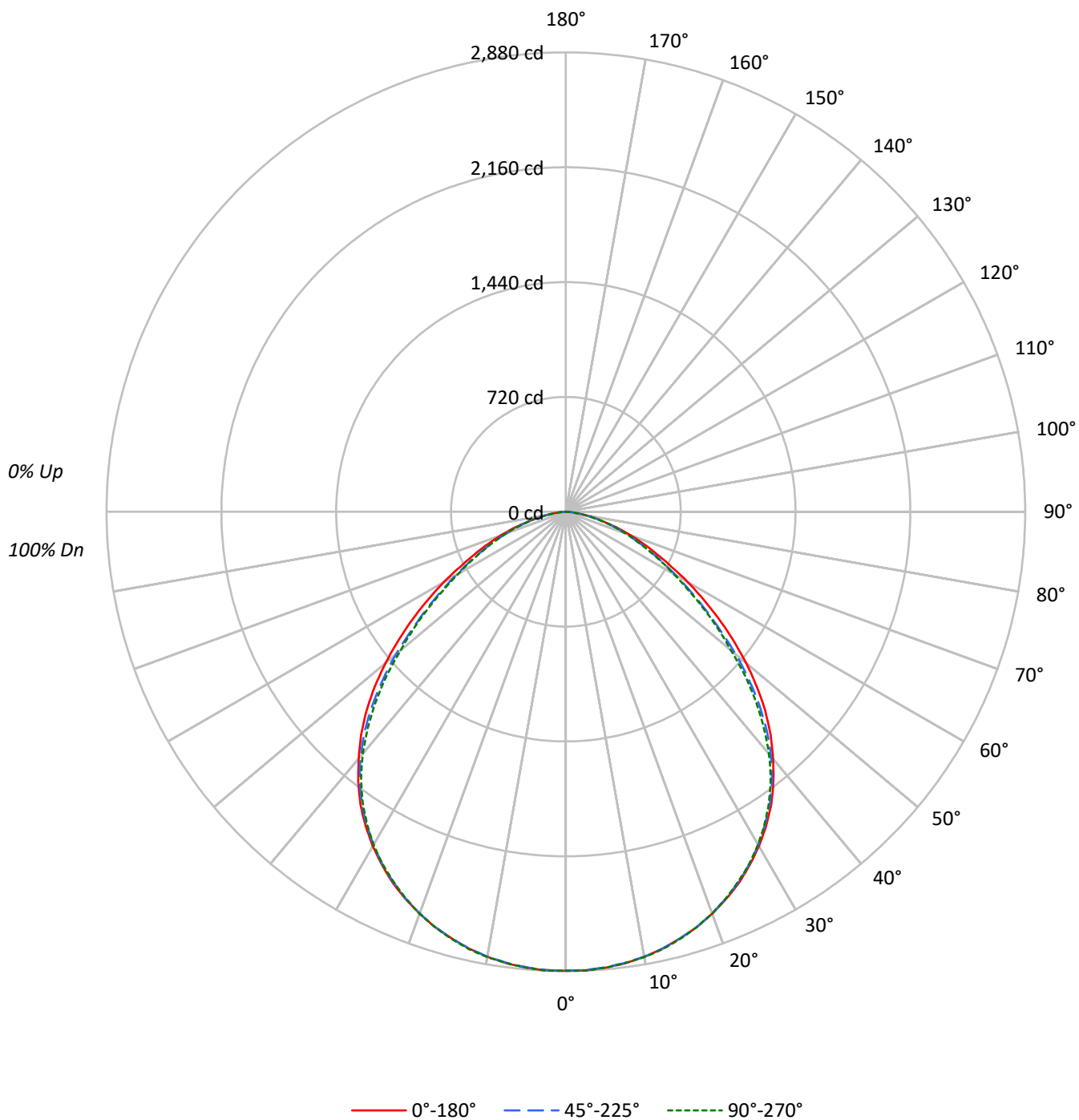
Lumens per Lamp: N/A
Luminaire Lumens: 6833.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1192925

CATALOG NUMBER: 24PT-80-PB1-L930

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92	90	89	87
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66	62	58	55
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46	41	36	34
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4115	4115	4115
5°	4118	4115	4118
10°	4115	4111	4116
15°	4099	4099	4104
20°	4081	4078	4081
25°	4051	4042	4036
30°	3998	3983	3979
35°	3918	3894	3878
40°	3773	3737	3699
45°	3576	3470	3411
50°	3281	3096	3008
55°	2919	2659	2620
60°	2529	2273	2234
65°	2132	1948	1925
70°	1810	1668	1678
75°	1422	1359	1371
80°	1036	1017	1027
85°	632	669	669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3576 cd/sqm

TEST NUMBER: P1192925

CATALOG NUMBER: 24PT-80-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	4.0
10°-20°	781.5	11.4
20°-30°	1179.8	17.3
30°-40°	1391.2	20.4
40°-50°	1321.8	19.3
50°-60°	975.4	14.3
60°-70°	588.7	8.6
70°-80°	269.5	3.9
80°-90°	52.6	0.8
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°	2233.9	32.7
0°-40°	3625.0	53.1
0°-60°	5922.2	86.7
0°-90°	6833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2878	2878	2878	2878	2878	
5°	2868	2870	2866	2864	2868	273
15°	2769	2770	2769	2768	2772	782
25°	2567	2566	2561	2557	2558	1182
35°	2244	2241	2230	2221	2221	1399
45°	1768	1756	1716	1692	1686	1358
55°	1171	1123	1066	1042	1051	1048
65°	630	610	576	564	569	633
75°	257	253	246	242	248	280
85°	38	40	41	40	41	52
90°	0	0	0	0	0	

TEST NUMBER: P1192925

CATALOG NUMBER: 24PT-80-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2877.5	2877.5	2877.5	2877.5	2877.5
2.5°	2877.5	2877.5	2875.3	2873.0	2879.8
5°	2868.5	2869.6	2866.2	2863.9	2868.5
7.5°	2854.9	2854.9	2851.5	2849.2	2853.7
10°	2833.3	2833.3	2831.1	2829.9	2834.5
12.5°	2805.0	2806.1	2803.9	2802.7	2808.4
15°	2768.7	2769.9	2768.7	2767.6	2772.1
17.5°	2730.2	2731.3	2729.1	2725.7	2730.2
20°	2681.5	2683.7	2679.2	2676.9	2681.5
22.5°	2627.1	2629.3	2624.8	2622.5	2622.5
25°	2567.0	2565.9	2561.3	2556.8	2557.9
27.5°	2496.7	2497.9	2491.1	2486.5	2489.9
30°	2420.8	2421.9	2411.7	2408.3	2409.5
32.5°	2335.8	2334.7	2325.6	2319.9	2319.9
35°	2244.0	2240.6	2230.4	2221.3	2221.3
37.5°	2137.5	2135.2	2123.9	2112.5	2109.1
40°	2020.7	2018.5	2001.5	1986.7	1981.1
42.5°	1900.6	1893.8	1866.6	1843.9	1838.3
45°	1768.0	1755.5	1715.9	1692.1	1686.4
47.5°	1625.2	1609.3	1554.9	1527.7	1525.5
50°	1474.5	1446.1	1391.7	1356.6	1352.1
52.5°	1322.6	1281.8	1219.5	1193.4	1200.2
55°	1170.7	1123.1	1066.5	1041.5	1050.6
57.5°	1023.4	973.5	924.8	899.9	905.5
60°	884.0	840.9	794.5	774.1	780.9
62.5°	746.9	719.7	680.0	661.9	670.9
65°	630.1	609.7	575.7	564.4	568.9
67.5°	528.1	512.3	482.8	473.7	480.5
70°	432.9	421.6	398.9	395.5	401.2
72.5°	342.3	335.5	323.0	317.3	320.7
75°	257.3	252.7	245.9	242.5	248.2
77.5°	185.9	182.5	180.2	180.2	181.3
80°	125.8	124.7	123.5	122.4	124.7
82.5°	77.1	77.1	77.1	77.1	78.2
85°	38.5	39.7	40.8	39.7	40.8
87.5°	12.5	13.6	14.7	14.7	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)