

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: P1050659

Luminaire Tested: 24PTR-72-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050659
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-72-PC3-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

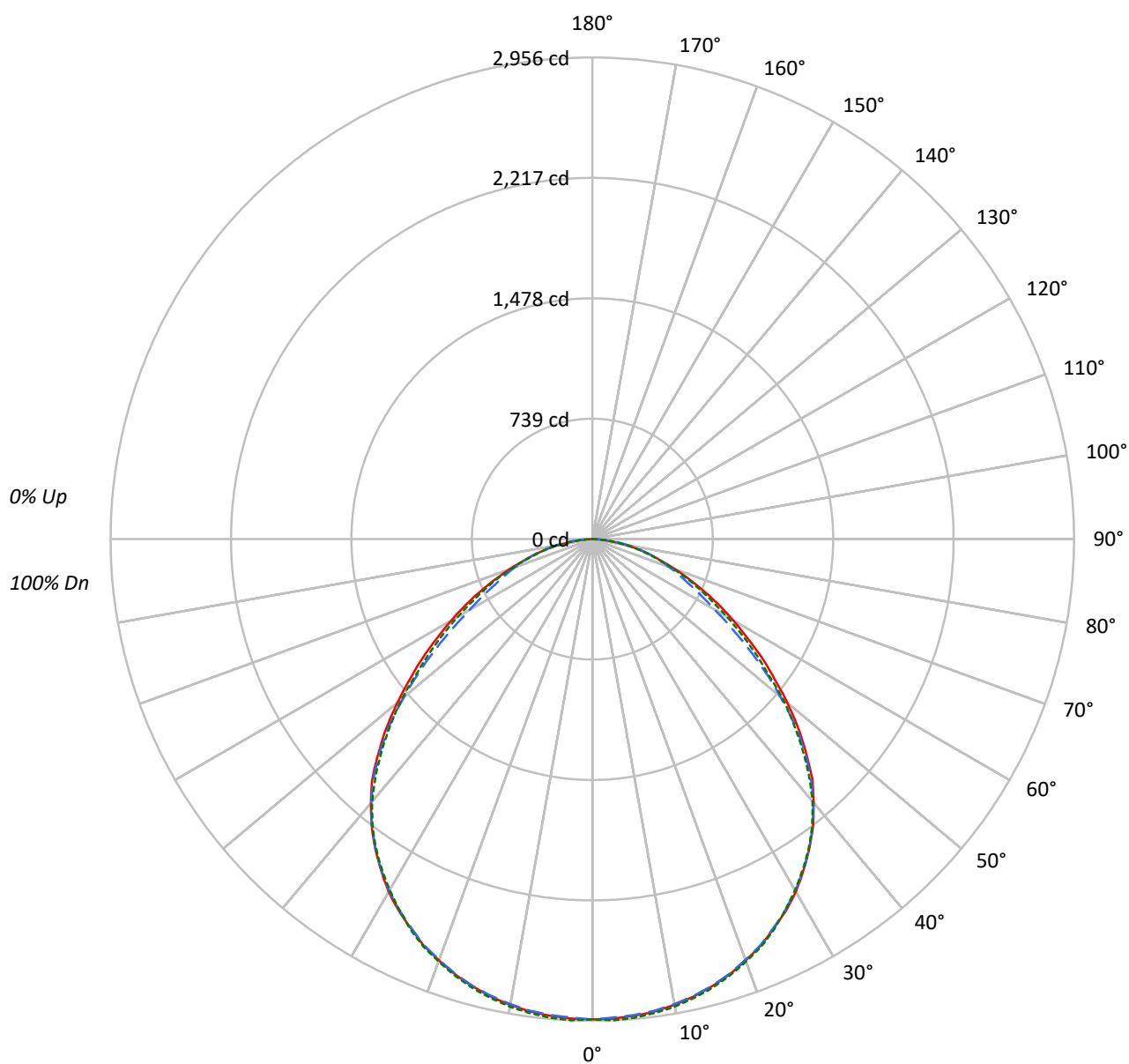
Lumens per Lamp: N/A
Luminaire Lumens: 7430.2 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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

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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°	3965	3965	3965
5°	3967	3959	3982
10°	3966	3959	3981
15°	3957	3953	3970
20°	3939	3933	3950
25°	3912	3906	3922
30°	3883	3870	3864
35°	3813	3809	3802
40°	3712	3707	3690
45°	3530	3504	3468
50°	3268	3158	3193
55°	2982	2740	2863
60°	2689	2337	2564
65°	2403	2091	2306
70°	2132	1978	2073
75°	1886	1917	1848
80°	1626	1831	1617
85°	1218	1448	1218

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.5	3.8
10°-20°	802.3	10.8
20°-30°	1214.8	16.3
30°-40°	1448.3	19.5
40°-50°	1415.2	19.0
50°-60°	1082.1	14.6
60°-70°	694.7	9.4
70°-80°	386.5	5.2
80°-90°	106.8	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°	2296.7	30.9
0°-40°	3745.0	50.4
0°-60°	6242.2	84.0
0°-90°	7430.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7430.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2947	2947	2947	2947	2947	
5°	2937	2939	2932	2945	2948	279
15°	2841	2843	2838	2847	2850	802
25°	2635	2638	2631	2640	2642	1215
35°	2321	2323	2319	2318	2315	1450
45°	1855	1860	1842	1837	1823	1428
55°	1271	1227	1168	1183	1221	1136
65°	755	697	657	679	724	753
75°	363	366	369	364	355	388
85°	79	93	94	91	79	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2947.2	2947.2	2947.2	2947.2	2947.2
2.5°	2945.3	2946.4	2938.7	2951.4	2955.6
5°	2936.8	2938.7	2931.5	2945.3	2948.3
7.5°	2924.2	2926.1	2918.8	2932.6	2933.8
10°	2903.1	2904.3	2897.8	2911.6	2913.5
12.5°	2874.8	2877.9	2870.6	2883.2	2884.0
15°	2840.7	2843.0	2837.6	2847.2	2850.3
17.5°	2800.9	2802.0	2796.7	2807.0	2808.1
20°	2751.1	2751.1	2746.9	2758.7	2758.7
22.5°	2700.5	2697.5	2696.3	2700.5	2707.0
25°	2635.4	2638.5	2631.2	2639.6	2641.5
27.5°	2572.2	2572.2	2565.7	2569.9	2564.6
30°	2499.4	2495.2	2491.0	2491.8	2486.8
32.5°	2411.7	2411.7	2409.8	2409.8	2403.3
35°	2321.4	2323.3	2319.1	2317.9	2314.8
37.5°	2224.1	2227.5	2219.9	2217.9	2215.6
40°	2113.4	2113.4	2110.3	2106.1	2100.7
42.5°	1998.5	1998.5	1985.1	1974.4	1967.1
45°	1855.2	1859.5	1841.5	1837.2	1822.7
47.5°	1712.8	1709.7	1685.6	1682.5	1674.1
50°	1561.1	1543.1	1508.6	1517.8	1525.5
52.5°	1409.4	1387.2	1336.7	1347.0	1359.6
55°	1271.2	1227.1	1168.1	1182.7	1220.6
57.5°	1126.8	1067.8	1008.8	1036.4	1083.5
60°	999.2	933.0	868.6	898.1	952.9
62.5°	877.1	806.6	754.9	783.2	829.6
65°	754.9	696.7	656.8	678.7	724.3
67.5°	643.1	604.0	576.8	587.1	623.9
70°	541.9	517.4	502.9	505.9	527.0
72.5°	445.8	439.7	434.3	434.3	436.2
75°	362.7	365.8	368.8	363.8	355.4
77.5°	285.7	296.1	303.7	293.0	282.7
80°	209.9	226.7	236.3	224.4	208.7
82.5°	143.2	162.4	165.5	158.2	140.2
85°	78.9	92.7	93.8	90.8	78.9
87.5°	29.5	34.9	37.9	34.9	30.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)