

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: P1050695

Luminaire Tested: 24PTR-90-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050695
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-90-PC3-L940-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

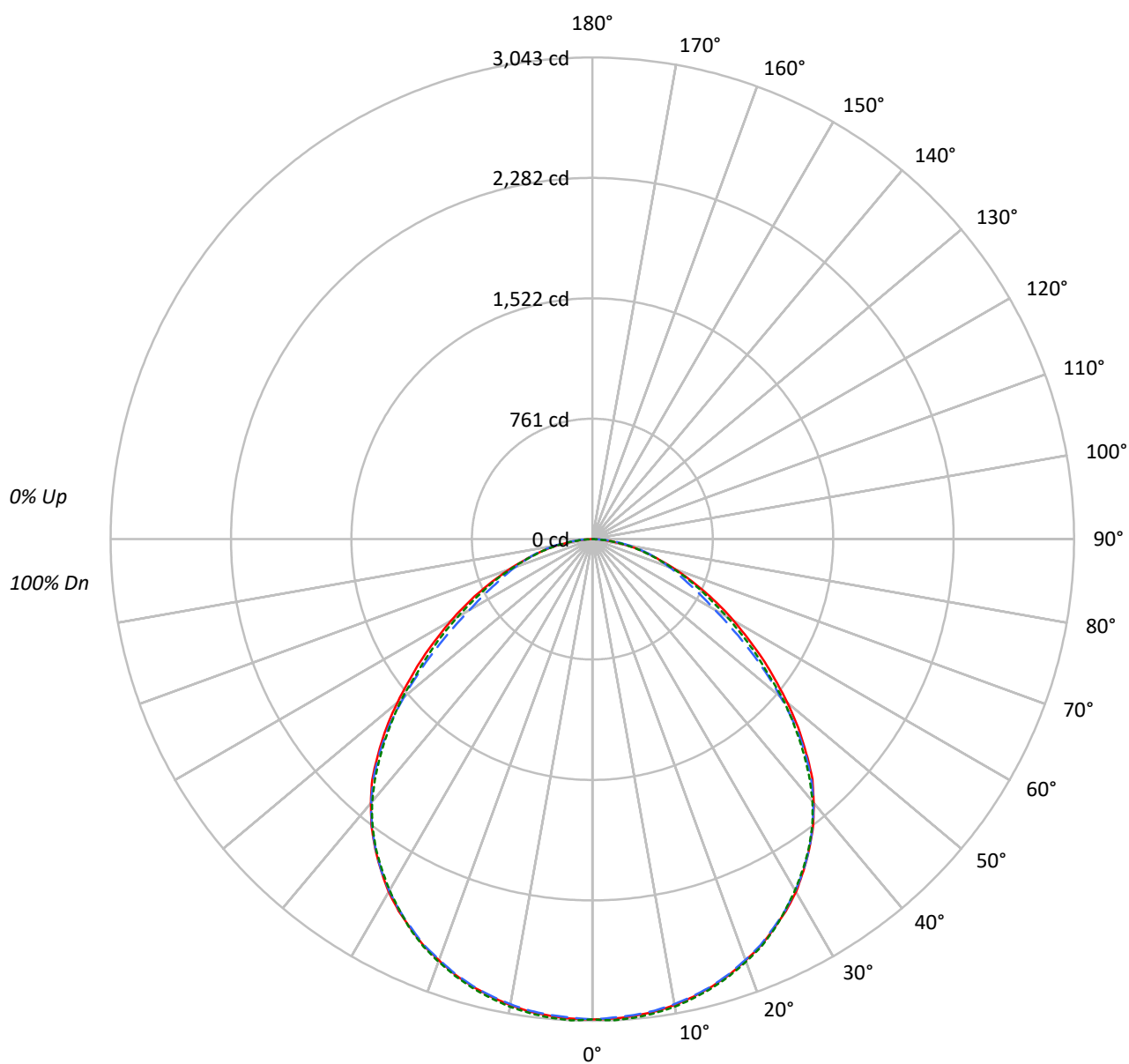
Lumens per Lamp: N/A
Luminaire Lumens: 7650.4 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	4083	4083	4083
5°	4084	4077	4100
10°	4084	4076	4098
15°	4074	4070	4088
20°	4056	4050	4067
25°	4028	4022	4038
30°	3998	3985	3978
35°	3926	3922	3915
40°	3822	3817	3799
45°	3635	3608	3571
50°	3365	3251	3288
55°	3070	2822	2948
60°	2769	2407	2640
65°	2475	2153	2374
70°	2195	2037	2135
75°	1941	1974	1903
80°	1674	1885	1665
85°	1254	1491	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3643 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	3.8
10°-20°	826.1	10.8
20°-30°	1250.8	16.3
30°-40°	1491.2	19.5
40°-50°	1457.1	19.0
50°-60°	1114.1	14.6
60°-70°	715.3	9.4
70°-80°	398.0	5.2
80°-90°	109.9	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°	2364.7	30.9
0°-40°	3855.9	50.4
0°-60°	6427.2	84.0
0°-90°	7650.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7650.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3034	3034	3034	3034	3034	
5°	3024	3026	3018	3032	3036	288
15°	2925	2927	2922	2932	2935	825
25°	2714	2717	2709	2718	2720	1251
35°	2390	2392	2388	2387	2383	1493
45°	1910	1915	1896	1892	1877	1470
55°	1309	1264	1203	1218	1257	1170
65°	777	717	676	699	746	775
75°	373	377	380	375	366	399
85°	81	95	97	94	81	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3034.5	3034.5	3034.5	3034.5	3034.5
2.5°	3032.5	3033.7	3025.8	3038.8	3043.2
5°	3023.9	3025.8	3018.3	3032.5	3035.7
7.5°	3010.9	3012.8	3005.3	3019.5	3020.7
10°	2989.2	2990.3	2983.6	2997.8	2999.8
12.5°	2960.0	2963.1	2955.6	2968.7	2969.4
15°	2924.9	2927.2	2921.7	2931.6	2934.7
17.5°	2883.9	2885.1	2879.5	2890.2	2891.4
20°	2832.6	2832.6	2828.3	2840.5	2840.5
22.5°	2780.6	2777.4	2776.2	2780.6	2787.3
25°	2713.5	2716.7	2709.2	2717.8	2719.8
27.5°	2648.4	2648.4	2641.7	2646.1	2640.6
30°	2573.5	2569.2	2564.8	2565.6	2560.5
32.5°	2483.2	2483.2	2481.2	2481.2	2474.5
35°	2390.1	2392.1	2387.8	2386.6	2383.4
37.5°	2290.0	2293.5	2285.6	2283.7	2281.3
40°	2176.0	2176.0	2172.9	2168.5	2163.0
42.5°	2057.7	2057.7	2043.9	2032.9	2025.4
45°	1910.2	1914.6	1896.0	1891.7	1876.7
47.5°	1763.5	1760.4	1735.5	1732.4	1723.7
50°	1607.4	1588.8	1553.3	1562.8	1570.7
52.5°	1451.2	1428.3	1376.3	1386.9	1399.9
55°	1308.8	1263.5	1202.8	1217.7	1256.8
57.5°	1160.2	1099.4	1038.7	1067.1	1115.6
60°	1028.9	960.6	894.4	924.7	981.1
62.5°	903.1	830.5	777.3	806.4	854.2
65°	777.3	717.3	676.3	698.8	745.7
67.5°	662.1	621.9	593.9	604.5	642.4
70°	558.0	532.8	517.8	520.9	542.6
72.5°	459.0	452.7	447.2	447.2	449.2
75°	373.4	376.6	379.8	374.6	366.0
77.5°	294.2	304.8	312.7	301.7	291.0
80°	216.1	233.5	243.3	231.1	214.9
82.5°	147.5	167.2	170.4	162.9	144.3
85°	81.2	95.4	96.6	93.5	81.2
87.5°	30.4	35.9	39.0	35.9	31.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)