

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: P1050194

Luminaire Tested: PTR-14-80-PC3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050194
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: PTR-14-80-PC3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

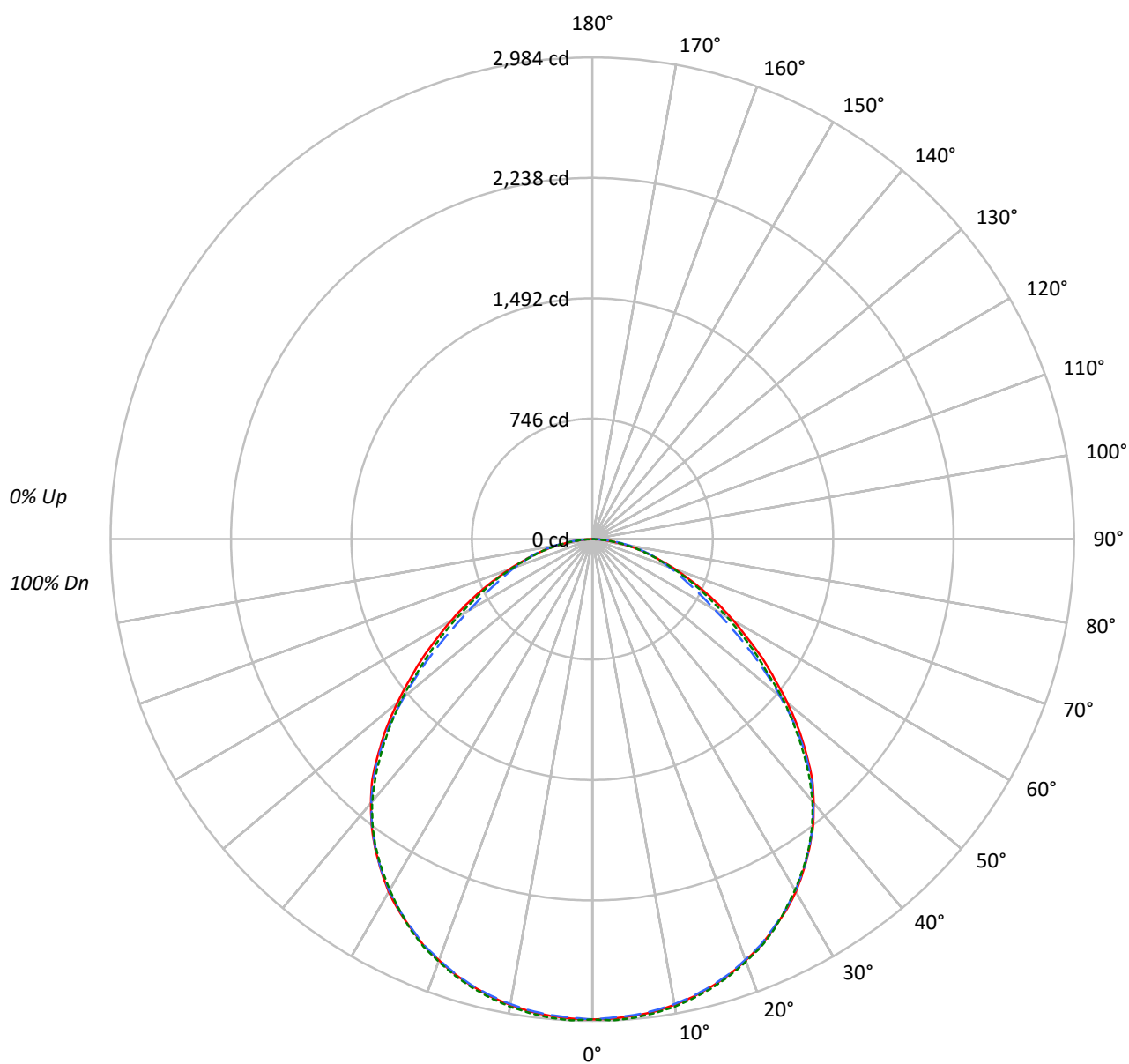
Lumens per Lamp: N/A
Luminaire Lumens: 7500.5 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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°	8006	8006	8006
5°	8008	7994	8039
10°	8008	7993	8036
15°	7989	7980	8016
20°	7953	7940	7975
25°	7899	7886	7917
30°	7840	7814	7800
35°	7698	7690	7676
40°	7494	7483	7449
45°	7127	7074	7002
50°	6597	6375	6447
55°	6020	5532	5781
60°	5429	4719	5177
65°	4852	4222	4655
70°	4305	3994	4186
75°	3806	3871	3730
80°	3284	3696	3265
85°	2458	2924	2458

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.2	3.8
10°-20°	809.9	10.8
20°-30°	1226.3	16.3
30°-40°	1462.0	19.5
40°-50°	1428.5	19.0
50°-60°	1092.3	14.6
60°-70°	701.3	9.4
70°-80°	390.2	5.2
80°-90°	107.8	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°	2318.4	30.9
0°-40°	3780.4	50.4
0°-60°	6301.2	84.0
0°-90°	7500.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7500.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2975	2975	2975	2975	2975	
5°	2965	2966	2959	2973	2976	282
15°	2868	2870	2864	2874	2877	809
25°	2660	2663	2656	2665	2666	1227
35°	2343	2345	2341	2340	2337	1464
45°	1873	1877	1859	1855	1840	1441
55°	1283	1239	1179	1194	1232	1147
65°	762	703	663	685	731	760
75°	366	369	372	367	359	391
85°	80	94	95	92	80	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2975.0	2975.0	2975.0	2975.0	2975.0
2.5°	2973.1	2974.3	2966.5	2979.3	2983.6
5°	2964.6	2966.5	2959.2	2973.1	2976.2
7.5°	2951.9	2953.8	2946.4	2960.4	2961.5
10°	2930.6	2931.7	2925.2	2939.1	2941.0
12.5°	2902.0	2905.1	2897.7	2910.5	2911.3
15°	2867.6	2869.9	2864.5	2874.1	2877.2
17.5°	2827.4	2828.5	2823.1	2833.5	2834.7
20°	2777.1	2777.1	2772.8	2784.8	2784.8
22.5°	2726.1	2723.0	2721.8	2726.1	2732.6
25°	2660.3	2663.4	2656.1	2664.6	2666.5
27.5°	2596.5	2596.5	2590.0	2594.2	2588.8
30°	2523.1	2518.8	2514.6	2515.4	2510.3
32.5°	2434.6	2434.6	2432.6	2432.6	2426.0
35°	2343.3	2345.2	2341.0	2339.8	2336.7
37.5°	2245.1	2248.6	2240.9	2238.9	2236.6
40°	2133.4	2133.4	2130.3	2126.0	2120.6
42.5°	2017.4	2017.4	2003.9	1993.0	1985.7
45°	1872.8	1877.0	1858.9	1854.6	1839.9
47.5°	1729.0	1725.9	1701.5	1698.4	1689.9
50°	1575.9	1557.7	1522.9	1532.2	1539.9
52.5°	1422.8	1400.3	1349.3	1359.7	1372.5
55°	1283.2	1238.7	1179.2	1193.9	1232.2
57.5°	1137.4	1077.9	1018.4	1046.2	1093.8
60°	1008.7	941.8	876.9	906.6	961.9
62.5°	885.4	814.2	762.0	790.6	837.4
65°	762.0	703.3	663.1	685.1	731.1
67.5°	649.1	609.7	582.3	592.7	629.8
70°	547.1	522.3	507.6	510.7	532.0
72.5°	450.0	443.8	438.4	438.4	440.4
75°	366.1	369.2	372.3	367.3	358.8
77.5°	288.4	298.9	306.6	295.8	285.3
80°	211.9	228.9	238.5	226.6	210.7
82.5°	144.6	163.9	167.0	159.7	141.5
85°	79.6	93.6	94.7	91.6	79.6
87.5°	29.8	35.2	38.3	35.2	30.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)