

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: P1050341

Luminaire Tested: PTR-14-80-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

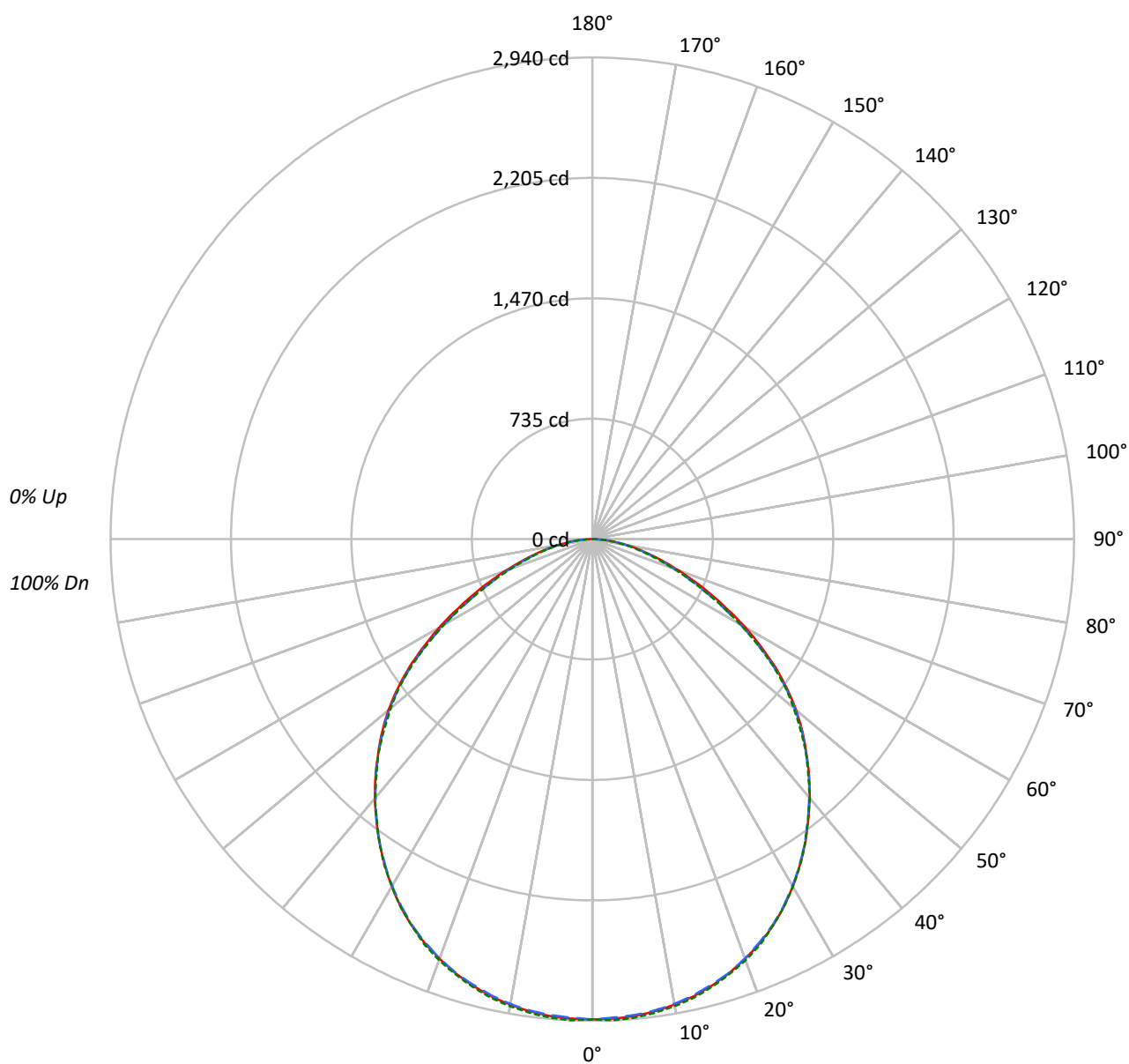
Lumens per Lamp: N/A
Luminaire Lumens: 7573.5 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7888	7888	7888
5°	7895	7877	7920
10°	7884	7872	7910
15°	7858	7843	7879
20°	7806	7800	7833
25°	7737	7724	7733
30°	7606	7591	7606
35°	7441	7431	7437
40°	7250	7228	7247
45°	7032	7012	7021
50°	6797	6765	6717
55°	6399	6325	6305
60°	5807	5612	5622
65°	5100	4844	4837
70°	4411	4209	4161
75°	3815	3673	3593
80°	3378	3330	3181
85°	2794	2890	2720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.0	3.7
10°-20°	796.4	10.5
20°-30°	1198.9	15.8
30°-40°	1415.0	18.7
40°-50°	1423.1	18.8
50°-60°	1201.5	15.9
60°-70°	771.6	10.2
70°-80°	383.8	5.1
80°-90°	105.1	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°	2273.3	30.0
0°-40°	3688.3	48.7
0°-60°	6312.9	83.4
0°-90°	7573.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7573.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2931	2931	2931	2931	2931	
5°	2923	2923	2916	2930	2932	278
15°	2821	2821	2815	2828	2828	796
25°	2606	2606	2601	2606	2604	1199
35°	2265	2266	2262	2264	2264	1416
45°	1848	1854	1842	1845	1845	1426
55°	1364	1363	1348	1343	1344	1213
65°	801	789	761	753	760	799
75°	367	365	353	350	346	397
85°	90	94	94	88	88	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2931.2	2931.2	2931.2	2931.2	2931.2
2.5°	2930.0	2931.2	2923.4	2937.4	2939.7
5°	2922.7	2923.4	2916.1	2930.0	2931.9
7.5°	2907.6	2908.8	2902.2	2914.9	2917.3
10°	2885.2	2888.7	2880.9	2892.9	2894.8
12.5°	2857.7	2858.9	2851.2	2865.1	2867.4
15°	2820.6	2821.4	2815.2	2828.0	2828.0
17.5°	2777.7	2778.9	2774.6	2785.4	2784.3
20°	2725.9	2729.0	2723.6	2730.9	2735.2
22.5°	2669.5	2670.6	2664.0	2673.7	2678.0
25°	2605.7	2606.4	2601.4	2606.4	2604.5
27.5°	2531.0	2533.0	2525.6	2531.0	2532.2
30°	2447.9	2453.3	2442.9	2447.2	2447.9
32.5°	2358.6	2361.7	2354.4	2355.5	2360.9
35°	2265.1	2266.2	2262.0	2263.9	2263.9
37.5°	2164.2	2168.4	2161.8	2164.9	2160.7
40°	2064.0	2059.8	2057.5	2059.8	2062.9
42.5°	1958.5	1959.7	1956.6	1954.2	1949.2
45°	1847.9	1854.5	1842.5	1844.8	1844.8
47.5°	1739.7	1740.5	1734.3	1727.7	1723.4
50°	1623.7	1623.7	1616.0	1610.9	1604.4
52.5°	1496.9	1495.0	1486.5	1481.1	1484.1
55°	1363.9	1362.8	1348.1	1342.7	1343.8
57.5°	1218.2	1220.5	1198.1	1192.7	1192.7
60°	1079.0	1068.2	1042.7	1035.3	1044.6
62.5°	932.9	920.1	892.7	892.7	900.0
65°	801.0	789.4	760.8	753.1	759.7
67.5°	677.7	666.9	640.6	636.3	638.3
70°	560.6	551.3	535.0	525.4	528.9
72.5°	459.7	451.2	440.3	433.0	428.7
75°	366.9	364.9	353.3	349.9	345.6
77.5°	290.3	289.6	279.9	275.6	271.4
80°	218.0	216.9	214.9	208.4	205.3
82.5°	155.4	155.4	154.3	148.8	145.7
85°	90.5	93.6	93.6	88.1	88.1
87.5°	36.3	38.3	36.3	36.3	35.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)