

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: P1050144

Luminaire Tested: PTR-14-80-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

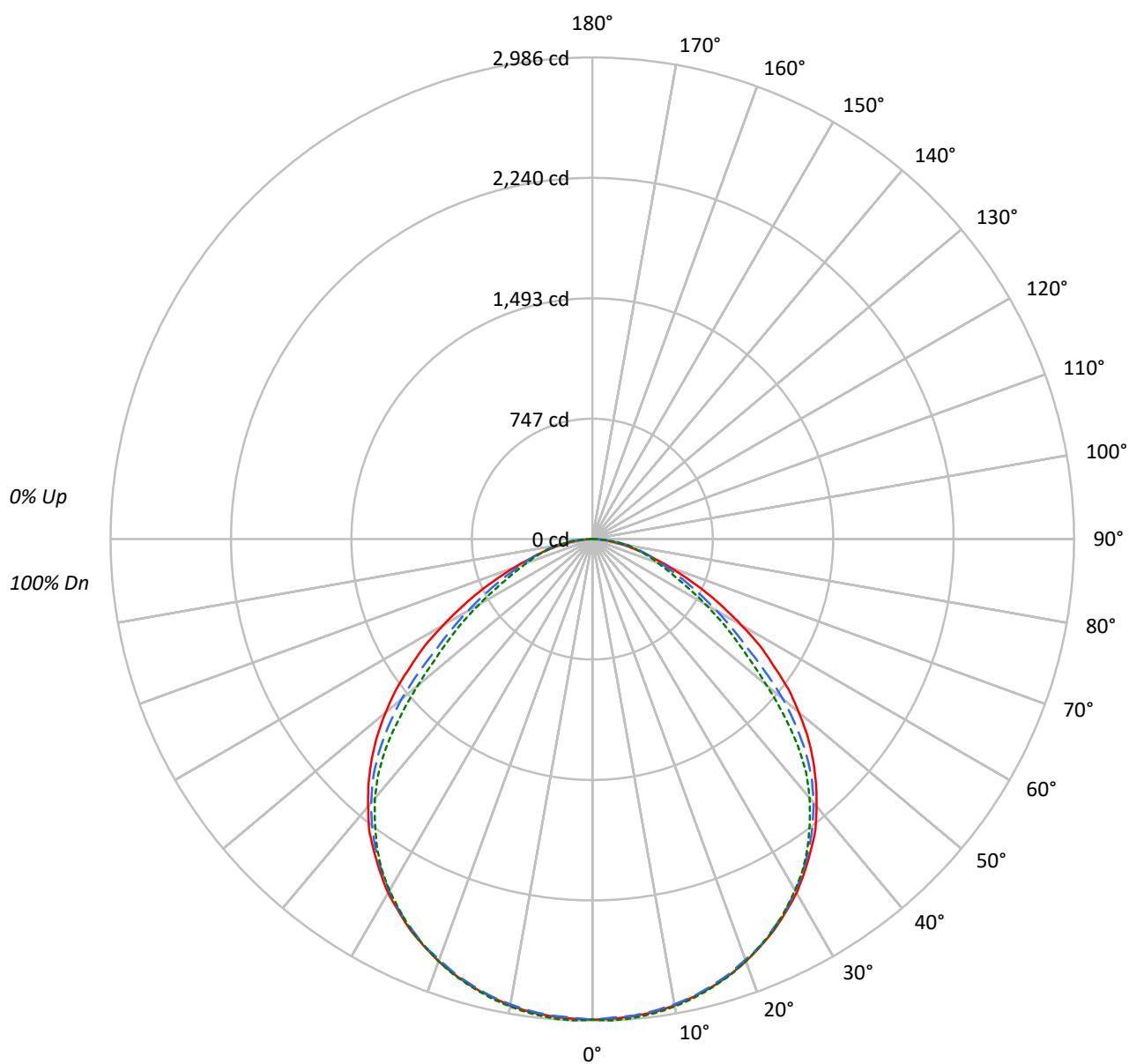
Lumens per Lamp: N/A
Luminaire Lumens: 7428.5 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8017	8017	8017
5°	8017	8008	8047
10°	8020	8000	8040
15°	8004	7983	8013
20°	7975	7944	7975
25°	7932	7899	7920
30°	7868	7822	7810
35°	7752	7692	7644
40°	7595	7492	7362
45°	7362	7125	6833
50°	6996	6458	5906
55°	6447	5485	5088
60°	5739	4793	4358
65°	4923	4154	3711
70°	4065	3663	3402
75°	3428	3504	3316
80°	2898	3577	3409
85°	2269	3622	3171

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.5	3.8
10°-20°	810.5	10.9
20°-30°	1227.8	16.5
30°-40°	1463.0	19.7
40°-50°	1430.6	19.3
50°-60°	1082.1	14.6
60°-70°	664.8	8.9
70°-80°	354.2	4.8
80°-90°	113.0	1.5
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°	2320.8	31.2
0°-40°	3783.7	50.9
0°-60°	6296.5	84.8
0°-90°	7428.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7428.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2979	2979	2979	2979	2979	
5°	2968	2972	2964	2976	2979	282
15°	2873	2876	2866	2876	2876	811
25°	2671	2668	2660	2664	2668	1230
35°	2360	2356	2342	2330	2327	1476
45°	1935	1924	1872	1810	1795	1488
55°	1374	1304	1169	1103	1084	1231
65°	773	711	652	601	583	769
75°	330	334	337	326	319	353
85°	74	95	117	110	103	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2979.1	2979.1	2979.1	2979.1	2979.1
2.5°	2975.6	2979.1	2967.9	2982.9	2986.4
5°	2967.9	2971.8	2964.5	2975.6	2979.1
7.5°	2957.2	2957.2	2949.8	2960.6	2964.5
10°	2935.2	2935.2	2927.9	2938.7	2942.5
12.5°	2906.0	2906.0	2902.1	2909.4	2913.3
15°	2872.9	2876.4	2865.6	2876.4	2876.4
17.5°	2832.5	2829.0	2825.2	2832.5	2836.4
20°	2784.8	2784.8	2774.0	2781.3	2784.8
22.5°	2729.8	2729.8	2726.3	2729.8	2726.3
25°	2671.3	2667.5	2660.2	2664.0	2667.5
27.5°	2601.7	2601.7	2594.4	2594.4	2590.5
30°	2532.1	2528.2	2517.4	2510.1	2513.6
32.5°	2447.8	2444.0	2433.2	2425.9	2429.3
35°	2359.7	2356.3	2341.6	2330.5	2327.0
37.5°	2272.0	2260.9	2242.4	2227.8	2213.2
40°	2162.0	2150.8	2132.7	2099.7	2095.8
42.5°	2052.0	2041.2	2011.6	1971.6	1960.4
45°	1934.6	1923.9	1872.3	1810.0	1795.4
47.5°	1810.0	1791.9	1711.1	1634.2	1604.9
50°	1671.1	1638.0	1542.6	1443.8	1410.7
52.5°	1535.3	1476.8	1352.2	1264.1	1231.4
55°	1374.1	1304.5	1169.1	1102.9	1084.5
57.5°	1231.4	1136.0	1026.0	960.2	945.6
60°	1066.4	978.3	890.6	831.7	809.8
62.5°	916.0	839.0	765.9	714.4	689.0
65°	773.2	710.9	652.4	600.9	582.8
67.5°	634.0	600.9	553.2	513.2	502.0
70°	516.6	498.2	465.5	447.0	432.4
72.5°	410.5	417.8	395.9	388.5	377.4
75°	329.7	333.5	337.0	326.2	318.9
77.5°	249.3	267.4	282.0	274.7	267.4
80°	187.0	205.0	230.8	220.0	220.0
82.5°	128.1	150.4	172.3	165.0	161.2
85°	73.5	95.4	117.3	110.0	102.7
87.5°	29.2	47.7	51.2	51.2	47.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)