

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: P1050438

Luminaire Tested: PTR-14-80-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PW1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

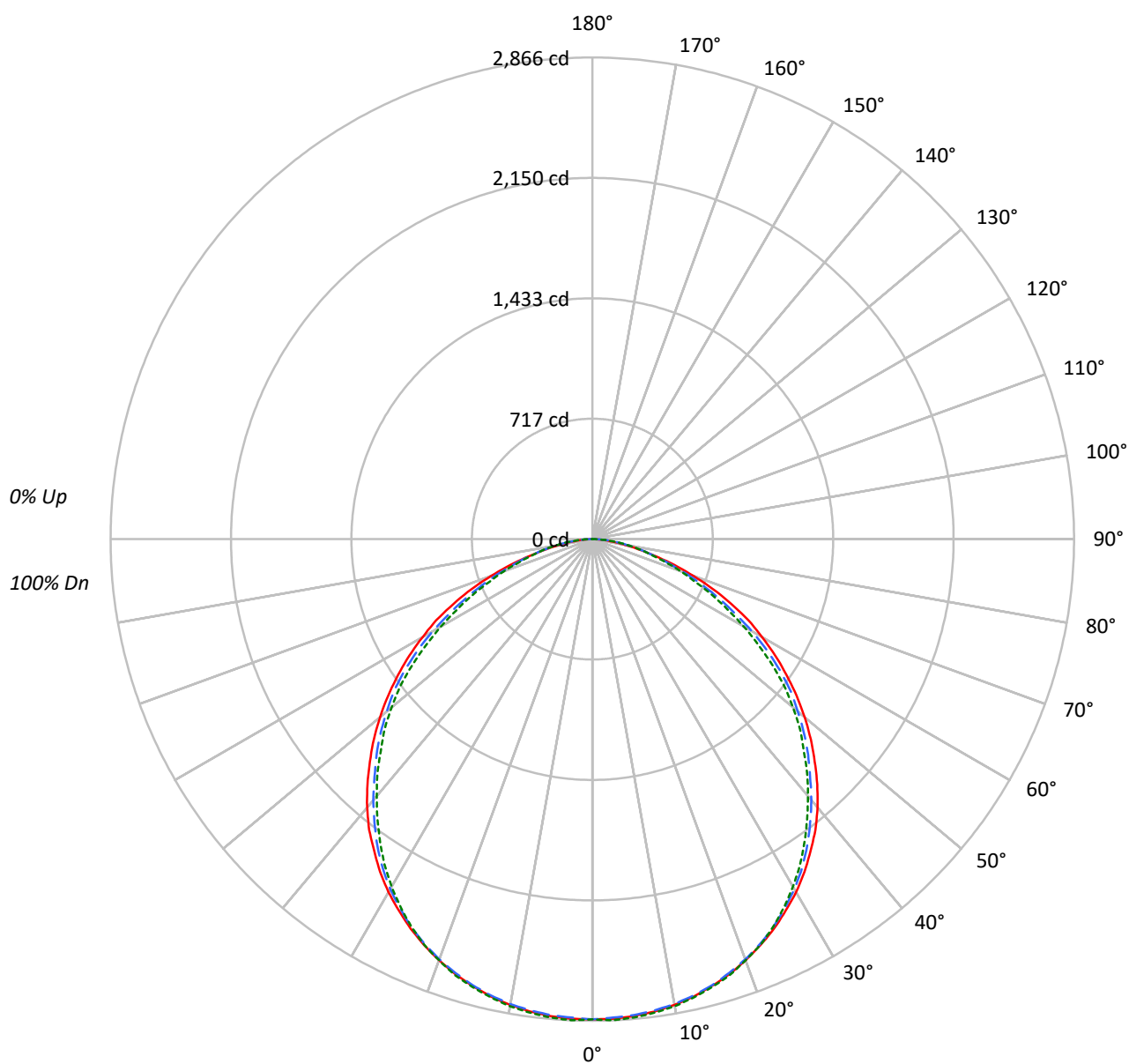
Lumens per Lamp: N/A
Luminaire Lumens: 7582.1 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7688	7688	7688
5°	7695	7678	7718
10°	7691	7674	7712
15°	7668	7656	7685
20°	7636	7619	7636
25°	7595	7562	7557
30°	7536	7471	7418
35°	7436	7323	7230
40°	7321	7122	7009
45°	7119	6908	6768
50°	6904	6679	6524
55°	6617	6393	6138
60°	6273	5902	5594
65°	5803	5271	5009
70°	5030	4589	4416
75°	4015	3928	3820
80°	3053	3409	3409
85°	2257	2908	2908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	3.6
10°-20°	777.2	10.2
20°-30°	1174.5	15.5
30°-40°	1394.6	18.4
40°-50°	1405.1	18.5
50°-60°	1214.5	16.0
60°-70°	830.1	10.9
70°-80°	409.3	5.4
80°-90°	105.9	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°	2222.6	29.3
0°-40°	3617.3	47.7
0°-60°	6236.8	82.3
0°-90°	7582.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7582.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2857	2857	2857	2857	2857	
5°	2849	2850	2842	2854	2857	271
15°	2752	2756	2748	2758	2759	777
25°	2558	2556	2547	2549	2545	1178
35°	2264	2256	2229	2209	2201	1417
45°	1871	1850	1815	1794	1778	1444
55°	1410	1406	1363	1322	1308	1261
65°	911	879	828	792	787	900
75°	386	383	378	378	367	421
85°	73	86	94	96	94	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2857.1	2857.1	2857.1	2857.1	2857.1
2.5°	2856.3	2857.1	2849.7	2862.4	2865.5
5°	2848.6	2849.7	2842.4	2854.0	2857.1
7.5°	2835.1	2837.1	2828.6	2840.1	2842.4
10°	2814.7	2815.9	2808.6	2820.1	2822.4
12.5°	2787.4	2788.2	2782.0	2792.4	2792.4
15°	2752.4	2755.5	2748.2	2757.8	2758.6
17.5°	2713.2	2714.3	2707.0	2717.4	2719.7
20°	2666.6	2666.6	2660.5	2668.9	2666.6
22.5°	2614.7	2614.7	2607.4	2611.6	2613.5
25°	2557.8	2555.5	2547.0	2549.3	2545.1
27.5°	2492.0	2492.0	2477.0	2477.0	2469.7
30°	2425.4	2420.1	2404.3	2394.7	2387.4
32.5°	2348.9	2341.6	2321.6	2304.6	2299.3
35°	2263.5	2255.8	2229.2	2209.2	2200.8
37.5°	2180.8	2163.9	2128.8	2108.8	2099.2
40°	2084.2	2063.1	2027.3	1999.6	1995.4
42.5°	1980.7	1963.8	1917.3	1896.9	1891.9
45°	1870.7	1850.3	1815.3	1794.2	1778.4
47.5°	1762.6	1747.6	1707.6	1682.2	1676.8
50°	1649.1	1636.4	1595.3	1568.0	1558.4
52.5°	1531.8	1523.4	1488.3	1453.3	1441.8
55°	1410.3	1406.0	1362.6	1322.2	1308.3
57.5°	1290.6	1285.2	1231.0	1184.4	1171.8
60°	1165.6	1149.8	1096.7	1053.3	1039.4
62.5°	1047.1	1013.3	955.9	922.1	906.3
65°	911.3	878.6	827.8	791.7	786.7
67.5°	778.2	739.0	699.7	677.4	660.5
70°	639.3	612.8	583.2	564.3	561.3
72.5°	510.1	491.2	476.2	464.7	455.1
75°	386.2	383.1	377.8	377.8	367.4
77.5°	283.9	291.2	295.4	294.3	296.6
80°	197.0	211.6	220.0	221.2	220.0
82.5°	125.0	141.9	155.8	157.7	160.0
85°	73.1	85.8	94.2	96.2	94.2
87.5°	32.7	41.2	43.5	45.4	43.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)