

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: P1050321

Luminaire Tested: PTR-14-20-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050321
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-14-20-PP3-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

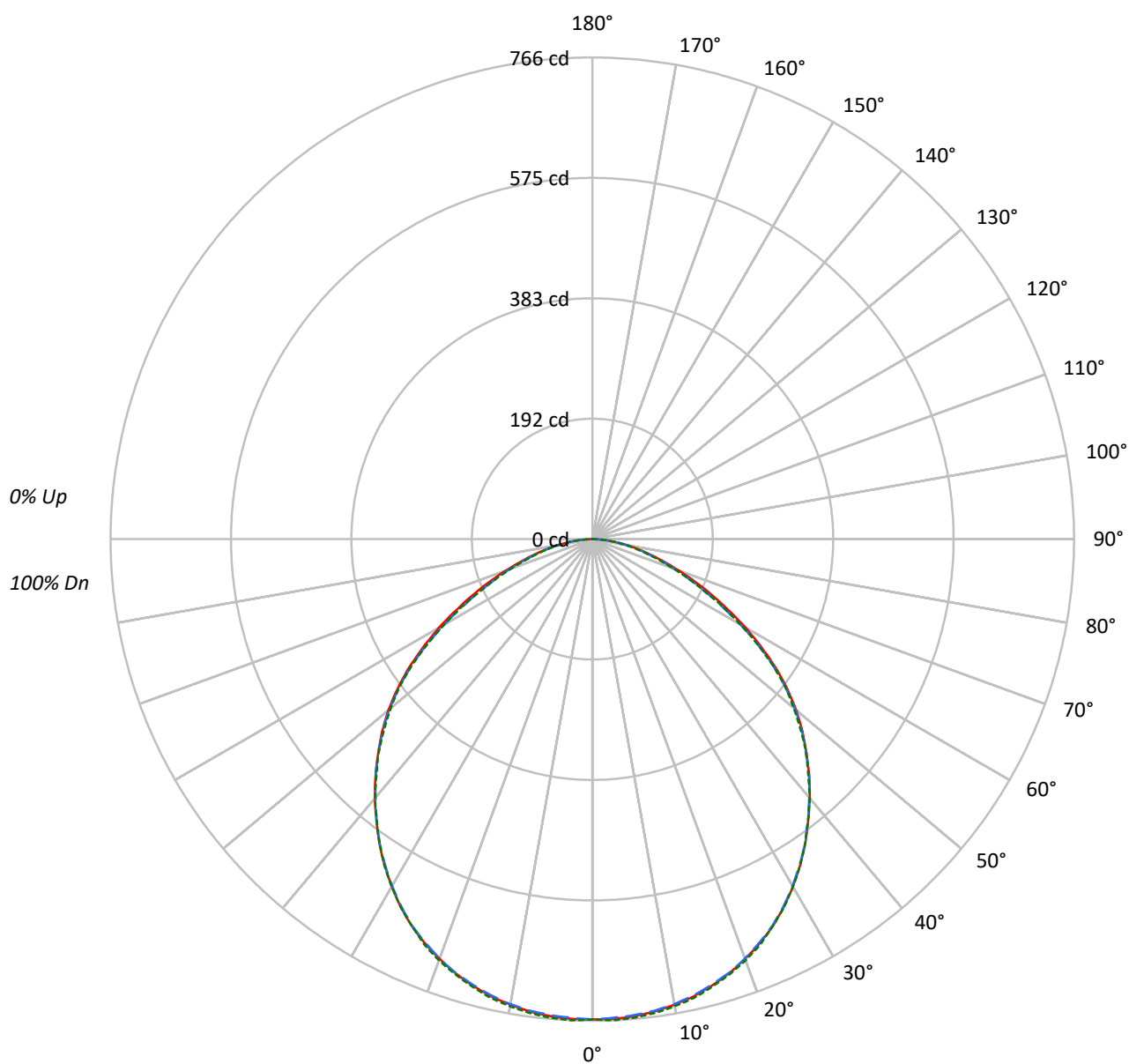
Lumens per Lamp: N/A
Luminaire Lumens: 1973.7 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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°	2056	2056	2056
5°	2058	2053	2064
10°	2055	2052	2061
15°	2048	2044	2053
20°	2034	2033	2041
25°	2016	2013	2015
30°	1982	1978	1982
35°	1939	1937	1938
40°	1890	1884	1888
45°	1833	1827	1830
50°	1772	1763	1750
55°	1668	1648	1643
60°	1513	1462	1465
65°	1330	1263	1261
70°	1149	1097	1084
75°	994	958	937
80°	880	868	829
85°	729	753	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	3.7
10°-20°	207.5	10.5
20°-30°	312.5	15.8
30°-40°	368.8	18.7
40°-50°	370.9	18.8
50°-60°	313.1	15.9
60°-70°	201.1	10.2
70°-80°	100.0	5.1
80°-90°	27.4	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°	592.4	30.0
0°-40°	961.2	48.7
0°-60°	1645.2	83.4
0°-90°	1973.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	762	762	760	764	764	72
15°	735	735	734	737	737	207
25°	679	679	678	679	679	312
35°	590	591	590	590	590	369
45°	482	483	480	481	481	372
55°	356	355	351	350	350	316
65°	209	206	198	196	198	208
75°	96	95	92	91	90	103
85°	24	24	24	23	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.9	763.9	763.9	763.9	763.9
2.5°	763.6	763.9	761.9	765.5	766.1
5°	761.7	761.9	760.0	763.6	764.1
7.5°	757.8	758.1	756.4	759.7	760.3
10°	751.9	752.8	750.8	753.9	754.4
12.5°	744.8	745.1	743.1	746.7	747.3
15°	735.1	735.3	733.7	737.0	737.0
17.5°	723.9	724.2	723.1	725.9	725.6
20°	710.4	711.2	709.8	711.7	712.8
22.5°	695.7	696.0	694.3	696.8	697.9
25°	679.1	679.3	678.0	679.3	678.8
27.5°	659.6	660.1	658.2	659.6	659.9
30°	638.0	639.4	636.7	637.8	638.0
32.5°	614.7	615.5	613.6	613.9	615.3
35°	590.3	590.6	589.5	590.0	590.0
37.5°	564.0	565.1	563.4	564.2	563.1
40°	537.9	536.8	536.2	536.8	537.6
42.5°	510.4	510.7	509.9	509.3	508.0
45°	481.6	483.3	480.2	480.8	480.8
47.5°	453.4	453.6	452.0	450.3	449.2
50°	423.2	423.2	421.1	419.8	418.1
52.5°	390.1	389.6	387.4	386.0	386.8
55°	355.5	355.2	351.3	349.9	350.2
57.5°	317.5	318.1	312.2	310.8	310.8
60°	281.2	278.4	271.7	269.8	272.2
62.5°	243.1	239.8	232.6	232.6	234.6
65°	208.8	205.7	198.3	196.3	198.0
67.5°	176.6	173.8	166.9	165.8	166.3
70°	146.1	143.7	139.4	136.9	137.8
72.5°	119.8	117.6	114.8	112.8	111.7
75°	95.6	95.1	92.1	91.2	90.1
77.5°	75.7	75.5	72.9	71.8	70.7
80°	56.8	56.5	56.0	54.3	53.5
82.5°	40.5	40.5	40.2	38.8	38.0
85°	23.6	24.4	24.4	23.0	23.0
87.5°	9.5	10.0	9.5	9.5	9.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)