

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: P1050082

Luminaire Tested: PTR-14-20-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

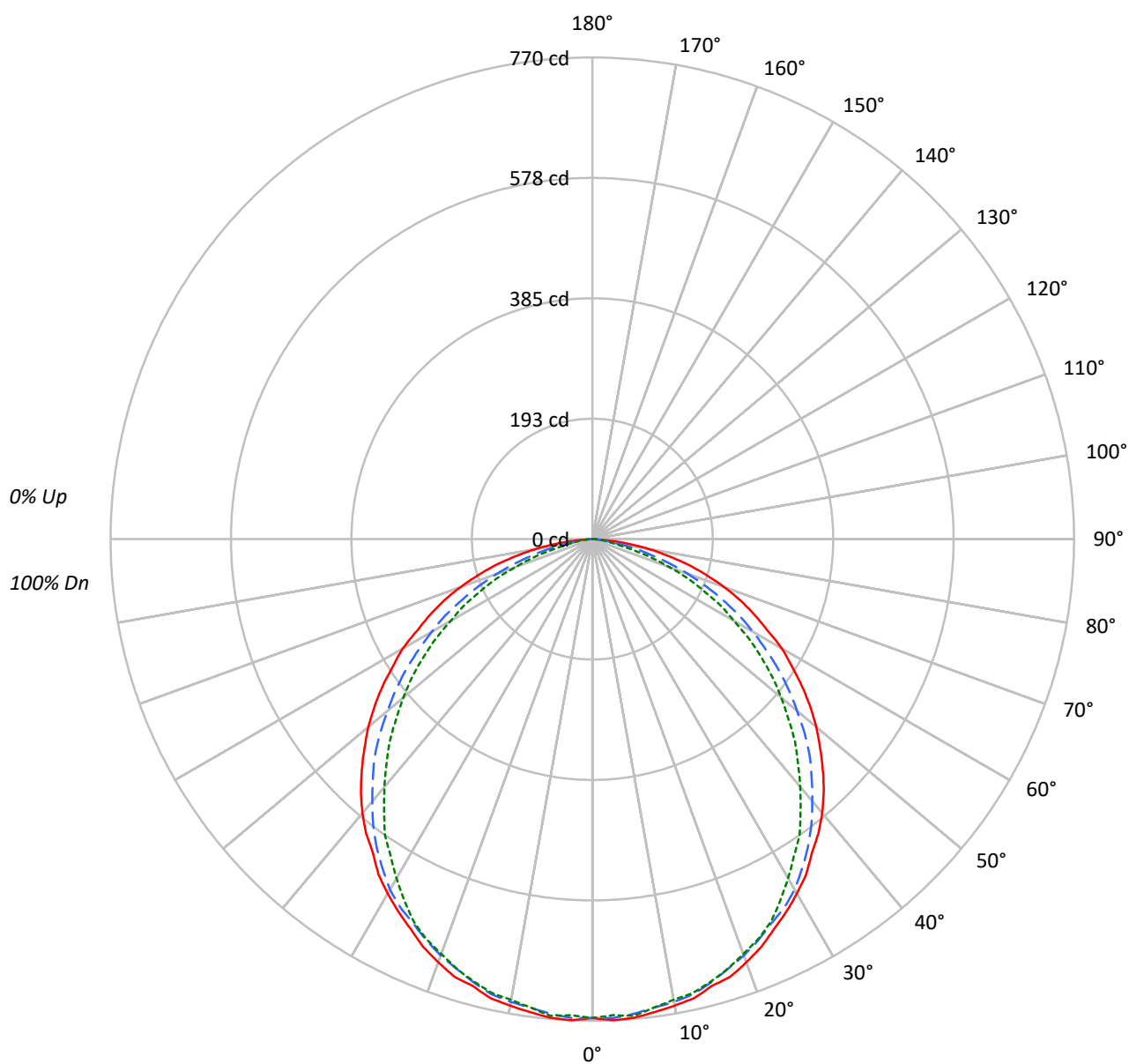
Lumens per Lamp: N/A
Luminaire Lumens: 2038.7 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2060	2060	2060
5°	2075	2058	2066
10°	2069	2053	2044
15°	2060	2043	2040
20°	2061	2029	2021
25°	2041	2011	2004
30°	2032	2010	1945
35°	2009	1974	1897
40°	2008	1922	1816
45°	1983	1872	1743
50°	1956	1788	1649
55°	1918	1704	1548
60°	1884	1595	1406
65°	1820	1463	1257
70°	1761	1273	1026
75°	1654	1004	706
80°	1433	607	425
85°	957	435	408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1983 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	3.6
10°-20°	207.6	10.2
20°-30°	313.6	15.4
30°-40°	372.9	18.3
40°-50°	378.1	18.5
50°-60°	328.4	16.1
60°-70°	233.1	11.4
70°-80°	111.4	5.5
80°-90°	21.1	1.0
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°	593.7	29.1
0°-40°	966.6	47.4
0°-60°	1673.1	82.1
0°-90°	2038.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	768	765	762	764	765	73
15°	739	741	734	732	732	209
25°	687	686	677	680	675	317
35°	612	611	601	580	578	384
45°	521	516	492	466	458	402
55°	409	397	363	342	330	365
65°	286	264	230	205	197	283
75°	159	130	97	77	68	167
85°	31	16	14	14	13	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.4	765.4	765.4	765.4	765.4
2.5°	769.9	767.2	766.3	769.5	761.7
5°	768.1	765.4	761.7	763.5	764.9
7.5°	762.6	760.4	755.3	759.4	755.3
10°	757.2	754.9	751.2	752.6	748.0
12.5°	751.7	746.2	745.3	746.2	743.0
15°	739.4	741.2	733.5	732.5	732.1
17.5°	733.5	728.9	720.7	721.2	720.2
20°	719.8	714.3	708.4	707.5	705.7
22.5°	705.7	699.3	693.8	696.5	692.4
25°	687.4	686.5	677.4	680.1	675.1
27.5°	671.5	668.3	664.2	658.2	651.0
30°	654.1	651.0	646.8	631.4	625.9
32.5°	635.9	632.3	624.1	605.8	599.9
35°	611.7	610.8	600.8	580.3	577.6
37.5°	593.5	583.5	575.3	554.3	546.6
40°	571.6	566.2	547.0	527.0	516.9
42.5°	547.5	541.1	519.2	497.8	486.8
45°	521.0	516.5	491.9	465.9	458.1
47.5°	493.7	489.6	460.4	435.3	425.3
50°	467.2	462.2	427.1	403.0	393.9
52.5°	438.5	430.3	395.7	372.0	363.3
55°	408.9	396.6	363.3	341.9	330.0
57.5°	377.4	366.0	329.1	306.8	297.2
60°	350.1	334.1	296.3	273.5	261.2
62.5°	315.0	301.3	265.3	238.4	232.5
65°	285.8	264.4	229.7	205.1	197.4
67.5°	256.2	231.1	196.0	170.9	166.8
70°	223.8	197.8	161.8	137.2	130.4
72.5°	191.0	165.5	130.4	104.4	100.3
75°	159.1	129.9	96.6	76.6	67.9
77.5°	124.4	98.0	67.9	47.0	41.5
80°	92.5	66.1	39.2	27.8	27.4
82.5°	60.6	38.3	21.0	21.4	20.5
85°	31.0	16.4	14.1	13.7	13.2
87.5°	5.9	6.4	6.8	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)