

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: P1050376

Luminaire Tested: PTR-14-20-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PR1-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

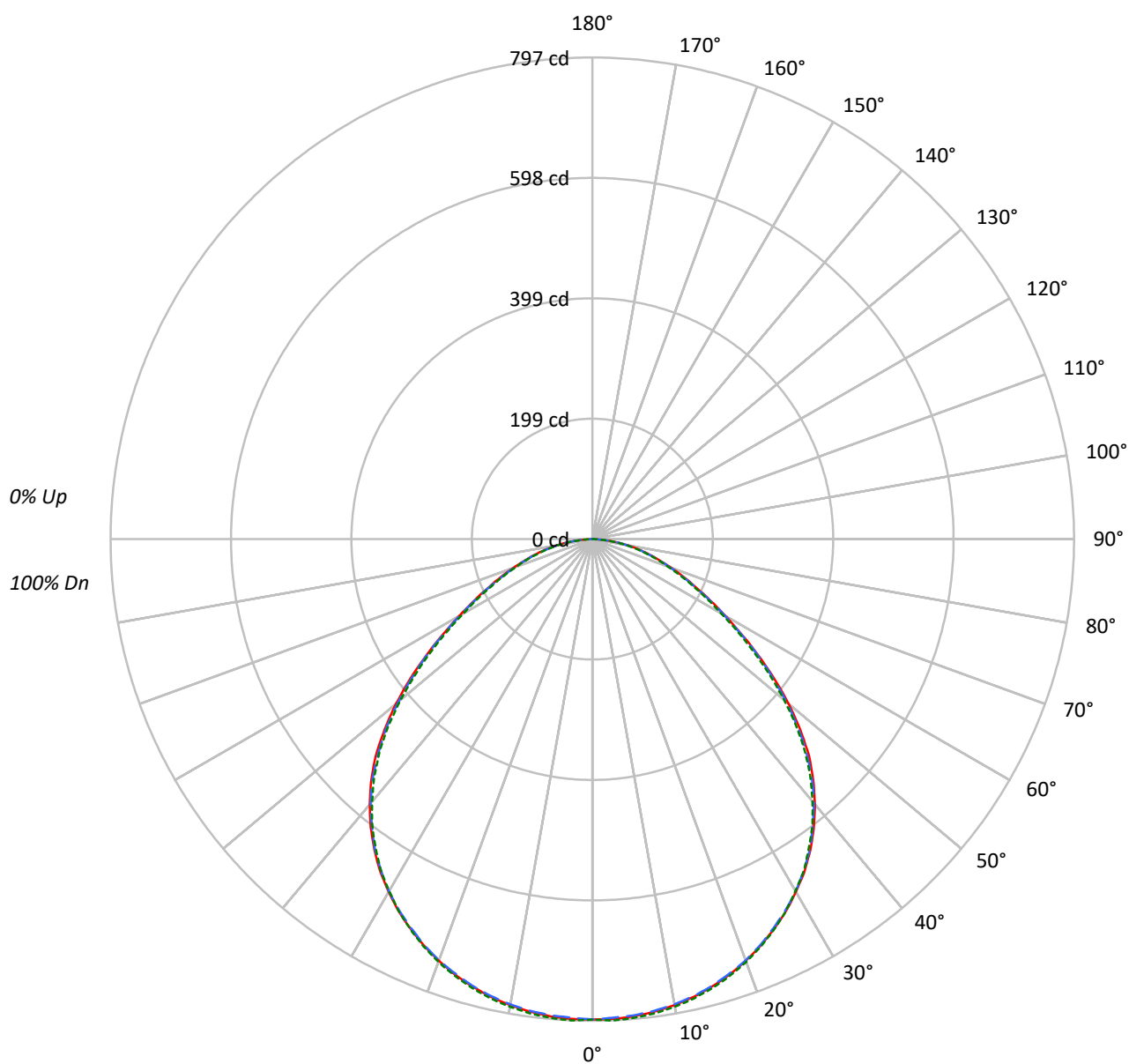
Lumens per Lamp: N/A
Luminaire Lumens: 2010.2 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2139	2139	2139
5°	2141	2136	2148
10°	2139	2135	2147
15°	2135	2132	2142
20°	2126	2124	2132
25°	2112	2107	2115
30°	2094	2091	2088
35°	2065	2060	2052
40°	2012	2005	1990
45°	1929	1907	1893
50°	1775	1755	1733
55°	1571	1564	1533
60°	1365	1360	1323
65°	1203	1196	1172
70°	1091	1076	1054
75°	1011	987	969
80°	922	910	879
85°	729	722	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	3.8
10°-20°	216.4	10.8
20°-30°	327.9	16.3
30°-40°	391.4	19.5
40°-50°	384.9	19.1
50°-60°	297.5	14.8
60°-70°	187.6	9.3
70°-80°	101.5	5.0
80°-90°	27.7	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°	619.7	30.8
0°-40°	1011.1	50.3
0°-60°	1693.5	84.2
0°-90°	2010.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2010.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	793	793	791	794	795	75
15°	766	767	765	768	769	216
25°	711	712	710	712	712	328
35°	628	629	627	626	624	392
45°	507	505	501	497	498	388
55°	335	338	333	328	327	300
65°	189	189	188	185	184	190
75°	97	96	95	95	93	103
85°	24	24	23	24	22	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	794.9	794.9	794.9	794.9	794.9
2.5°	794.6	794.9	792.6	796.3	797.2
5°	792.6	792.9	790.8	794.3	795.2
7.5°	788.6	789.2	787.2	790.6	791.5
10°	782.9	783.5	781.5	784.9	785.8
12.5°	775.8	776.0	774.4	777.5	778.3
15°	766.4	766.6	765.3	767.8	768.9
17.5°	755.5	755.9	753.9	757.0	757.5
20°	742.5	742.7	741.6	744.2	744.5
22.5°	727.9	728.5	726.8	729.0	729.4
25°	711.4	712.0	709.7	712.0	712.3
27.5°	694.1	694.3	692.3	694.1	693.7
30°	673.8	675.5	672.9	672.3	672.1
32.5°	652.8	653.0	650.5	649.9	651.0
35°	628.5	628.7	627.1	626.3	624.5
37.5°	602.0	602.0	598.8	598.3	598.0
40°	572.9	572.6	570.7	568.7	566.6
42.5°	541.3	541.9	537.9	534.4	533.9
45°	506.8	504.8	501.1	497.2	497.5
47.5°	466.1	466.6	461.6	458.4	457.5
50°	423.9	423.9	419.1	415.7	413.9
52.5°	379.8	380.1	375.5	371.0	370.1
55°	334.8	337.6	333.3	327.9	326.8
57.5°	292.6	294.9	290.9	285.2	284.9
60°	253.6	253.8	252.7	247.3	245.8
62.5°	220.3	218.8	218.2	215.4	213.7
65°	188.9	189.2	187.8	184.6	184.0
67.5°	163.6	163.2	160.7	158.7	157.5
70°	138.7	137.9	136.7	135.1	133.9
72.5°	116.6	116.6	115.6	115.1	113.1
75°	97.2	96.1	94.9	95.4	93.2
77.5°	78.7	77.5	76.6	75.5	74.9
80°	59.5	58.4	58.7	56.9	56.7
82.5°	41.3	41.3	40.8	39.3	39.6
85°	23.6	23.9	23.4	23.6	22.5
87.5°	8.6	8.8	9.4	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)