

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: P1050073

Luminaire Tested: PTR-14-20-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050073
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-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

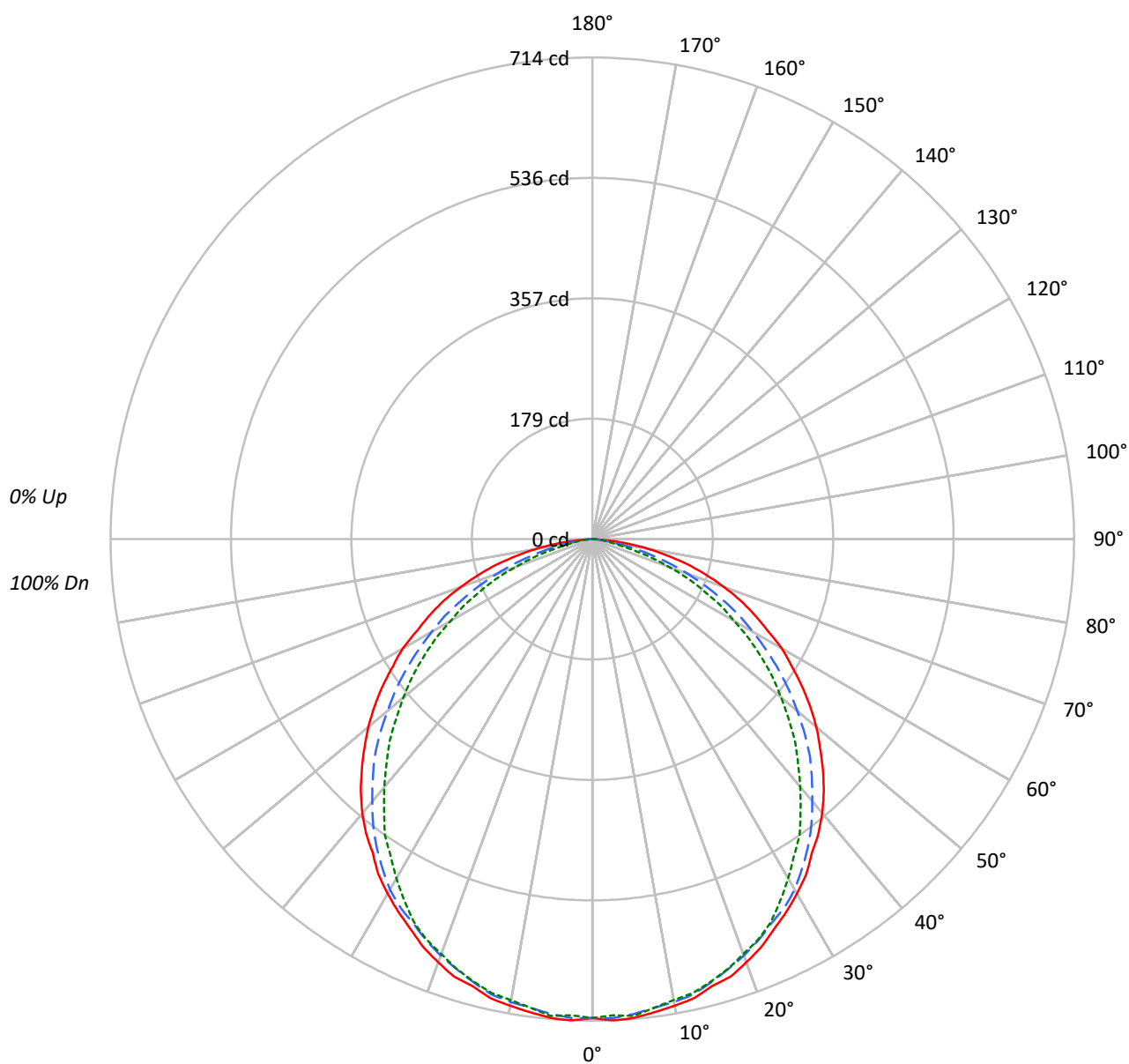
Lumens per Lamp: N/A
Luminaire Lumens: 1890.8 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050073

CATALOG NUMBER: PTR-14-20-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050073

CATALOG NUMBER: PTR-14-20-L830-UNV-STD-W

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°	1910	1910	1910
5°	1924	1908	1916
10°	1919	1904	1896
15°	1911	1895	1892
20°	1912	1881	1874
25°	1893	1866	1859
30°	1885	1864	1804
35°	1864	1830	1760
40°	1862	1782	1684
45°	1839	1736	1617
50°	1814	1659	1529
55°	1779	1581	1436
60°	1748	1479	1304
65°	1688	1357	1166
70°	1633	1181	951
75°	1535	932	655
80°	1330	564	394
85°	886	404	380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1839 cd/sqm

TEST NUMBER: P1050073

CATALOG NUMBER: PTR-14-20-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	3.6
10°-20°	192.5	10.2
20°-30°	290.8	15.4
30°-40°	345.8	18.3
40°-50°	350.7	18.5
50°-60°	304.6	16.1
60°-70°	216.2	11.4
70°-80°	103.3	5.5
80°-90°	19.6	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°	550.7	29.1
0°-40°	896.5	47.4
0°-60°	1551.8	82.1
0°-90°	1890.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1890.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	712	710	706	708	709	68
15°	686	688	680	679	679	194
25°	638	637	628	631	626	294
35°	567	566	557	538	536	357
45°	483	479	456	432	425	373
55°	379	368	337	317	306	339
65°	265	245	213	190	183	263
75°	148	120	90	71	63	155
85°	29	15	13	13	12	36
90°	0	0	0	0	0	

TEST NUMBER: P1050073

CATALOG NUMBER: PTR-14-20-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.9	709.9	709.9	709.9	709.9
2.5°	714.1	711.6	710.7	713.7	706.5
5°	712.4	709.9	706.5	708.2	709.4
7.5°	707.3	705.2	700.6	704.4	700.6
10°	702.3	700.1	696.8	698.0	693.8
12.5°	697.2	692.1	691.3	692.1	689.1
15°	685.8	687.5	680.3	679.4	679.0
17.5°	680.3	676.0	668.4	668.9	668.0
20°	667.6	662.5	657.0	656.2	654.5
22.5°	654.5	648.6	643.5	646.0	642.2
25°	637.6	636.7	628.3	630.8	626.1
27.5°	622.8	619.8	616.0	610.5	603.7
30°	606.7	603.7	599.9	585.6	580.5
32.5°	589.8	586.4	578.8	561.9	556.4
35°	567.4	566.5	557.2	538.2	535.7
37.5°	550.5	541.2	533.6	514.1	506.9
40°	530.2	525.1	507.3	488.7	479.4
42.5°	507.8	501.8	481.6	461.7	451.5
45°	483.2	479.0	456.2	432.1	424.9
47.5°	457.9	454.1	427.0	403.8	394.5
50°	433.4	428.7	396.2	373.7	365.3
52.5°	406.7	399.1	367.0	345.0	337.0
55°	379.2	367.8	337.0	317.1	306.1
57.5°	350.1	339.5	305.3	284.5	275.7
60°	324.7	309.9	274.8	253.7	242.3
62.5°	292.1	279.5	246.1	221.1	215.6
65°	265.1	245.2	213.1	190.3	183.1
67.5°	237.6	214.4	181.8	158.5	154.7
70°	207.6	183.5	150.1	127.3	120.9
72.5°	177.1	153.5	120.9	96.8	93.0
75°	147.6	120.5	89.6	71.0	63.0
77.5°	115.4	90.9	63.0	43.5	38.5
80°	85.8	61.3	36.4	25.8	25.4
82.5°	56.2	35.5	19.4	19.9	19.0
85°	28.7	15.2	13.1	12.7	12.3
87.5°	5.5	5.9	6.3	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)