

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: P1050220

Luminaire Tested: PTR-14-20-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PL1-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

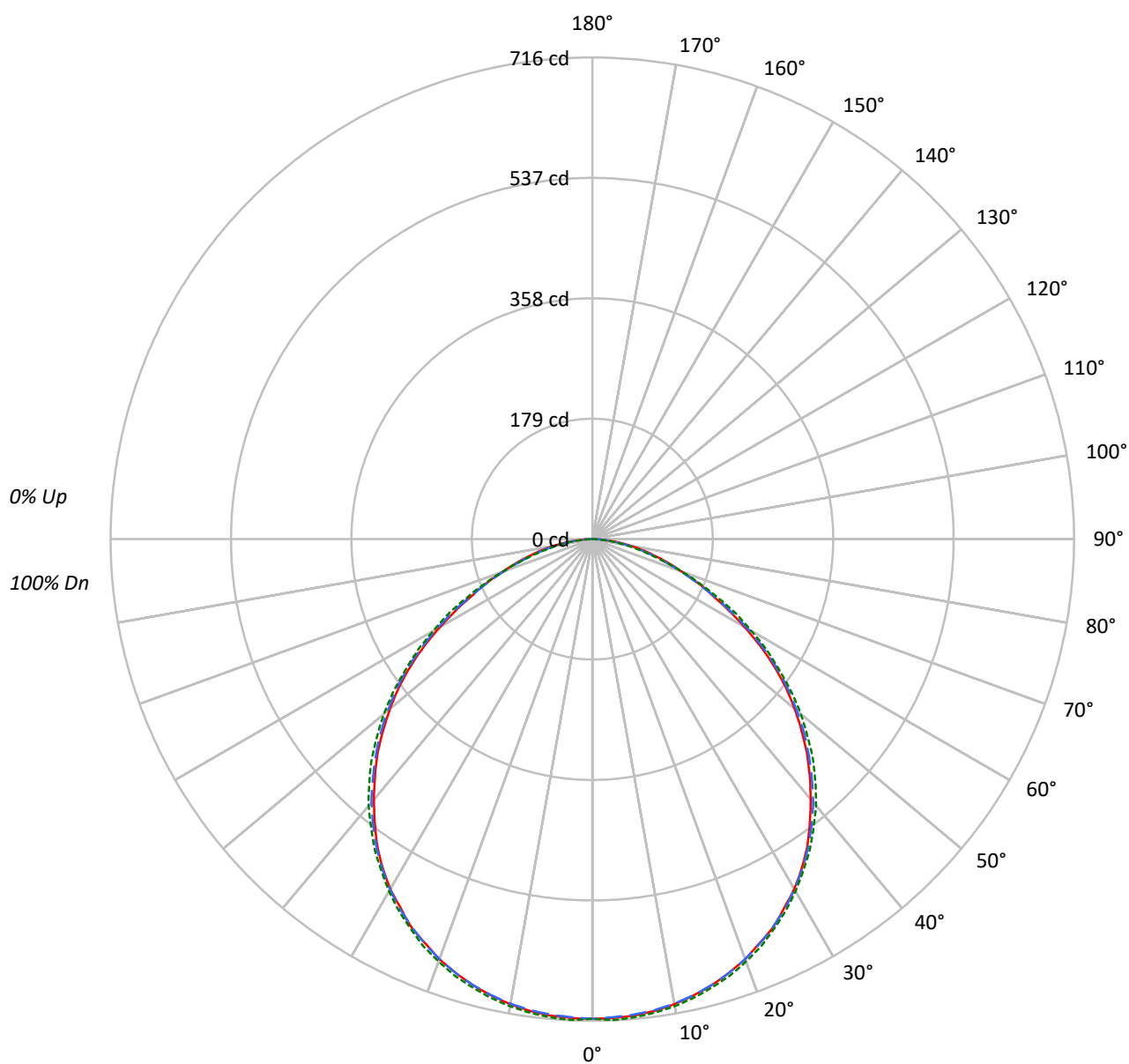
Lumens per Lamp: N/A
Luminaire Lumens: 1879.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050220

CATALOG NUMBER: PTR-14-20-PL1-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050220

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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	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1919	1919	1919
5°	1921	1917	1928
10°	1918	1916	1927
15°	1912	1911	1921
20°	1903	1903	1914
25°	1890	1887	1898
30°	1866	1868	1877
35°	1830	1837	1852
40°	1774	1794	1817
45°	1718	1732	1766
50°	1643	1660	1693
55°	1547	1572	1590
60°	1403	1433	1469
65°	1246	1260	1310
70°	1114	1091	1119
75°	1005	947	928
80°	913	848	753
85°	775	704	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1766 cd/sqm

TEST NUMBER: P1050220

CATALOG NUMBER: PTR-14-20-PL1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.6
10°-20°	194.0	10.3
20°-30°	293.5	15.6
30°-40°	349.8	18.6
40°-50°	351.7	18.7
50°-60°	298.5	15.9
60°-70°	198.8	10.6
70°-80°	99.2	5.3
80°-90°	26.6	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°	555.1	29.5
0°-40°	904.9	48.1
0°-60°	1555.1	82.7
0°-90°	1879.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	711	711	710	713	714	68
15°	686	687	686	689	690	194
25°	636	636	636	639	639	293
35°	557	558	559	563	564	348
45°	452	452	455	461	464	347
55°	330	332	335	338	339	294
65°	196	197	198	201	206	196
75°	97	95	91	89	89	104
85°	25	25	23	21	20	29
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-20-PL1-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	713.1	713.1	713.1	713.1	713.1
2.5°	712.5	713.1	711.2	714.6	715.5
5°	711.0	711.2	709.6	712.8	713.6
7.5°	707.5	707.8	706.2	709.6	710.1
10°	702.0	702.5	701.2	704.4	705.1
12.5°	694.9	695.6	694.3	697.7	698.3
15°	686.4	687.2	686.1	689.0	689.6
17.5°	676.0	676.6	676.0	678.7	680.3
20°	664.4	664.4	664.4	666.8	668.2
22.5°	649.9	651.3	650.7	653.9	655.2
25°	636.5	636.5	635.6	638.6	639.1
27.5°	617.7	619.8	619.6	622.2	622.8
30°	600.5	601.1	601.3	603.2	604.2
32.5°	579.7	580.1	581.0	583.6	583.9
35°	557.2	557.8	559.3	563.2	563.8
37.5°	531.1	534.0	535.3	539.5	540.0
40°	504.9	506.7	510.7	515.1	517.3
42.5°	478.2	480.3	482.7	488.7	490.7
45°	451.5	452.3	455.2	461.3	464.0
47.5°	421.9	424.3	426.9	432.2	433.8
50°	392.4	394.9	396.6	401.3	404.5
52.5°	362.5	364.9	366.7	369.6	372.8
55°	329.8	332.1	335.0	338.2	339.0
57.5°	296.4	299.0	301.0	304.3	307.8
60°	260.7	263.7	266.3	269.5	272.9
62.5°	227.5	228.8	231.5	236.7	241.7
65°	195.7	197.4	197.9	200.8	205.8
67.5°	169.3	169.3	166.9	168.0	173.6
70°	141.6	140.5	138.7	137.7	142.2
72.5°	119.1	117.8	113.9	112.0	114.4
75°	96.7	95.3	91.1	89.0	89.3
77.5°	77.7	75.6	72.1	68.4	67.7
80°	58.9	58.1	54.7	51.3	48.6
82.5°	41.8	39.9	38.0	35.9	33.8
85°	25.1	24.6	22.8	21.4	19.6
87.5°	10.3	10.3	9.8	9.2	8.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)