

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: P1050416

Luminaire Tested: PTR-14-20-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PW1-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

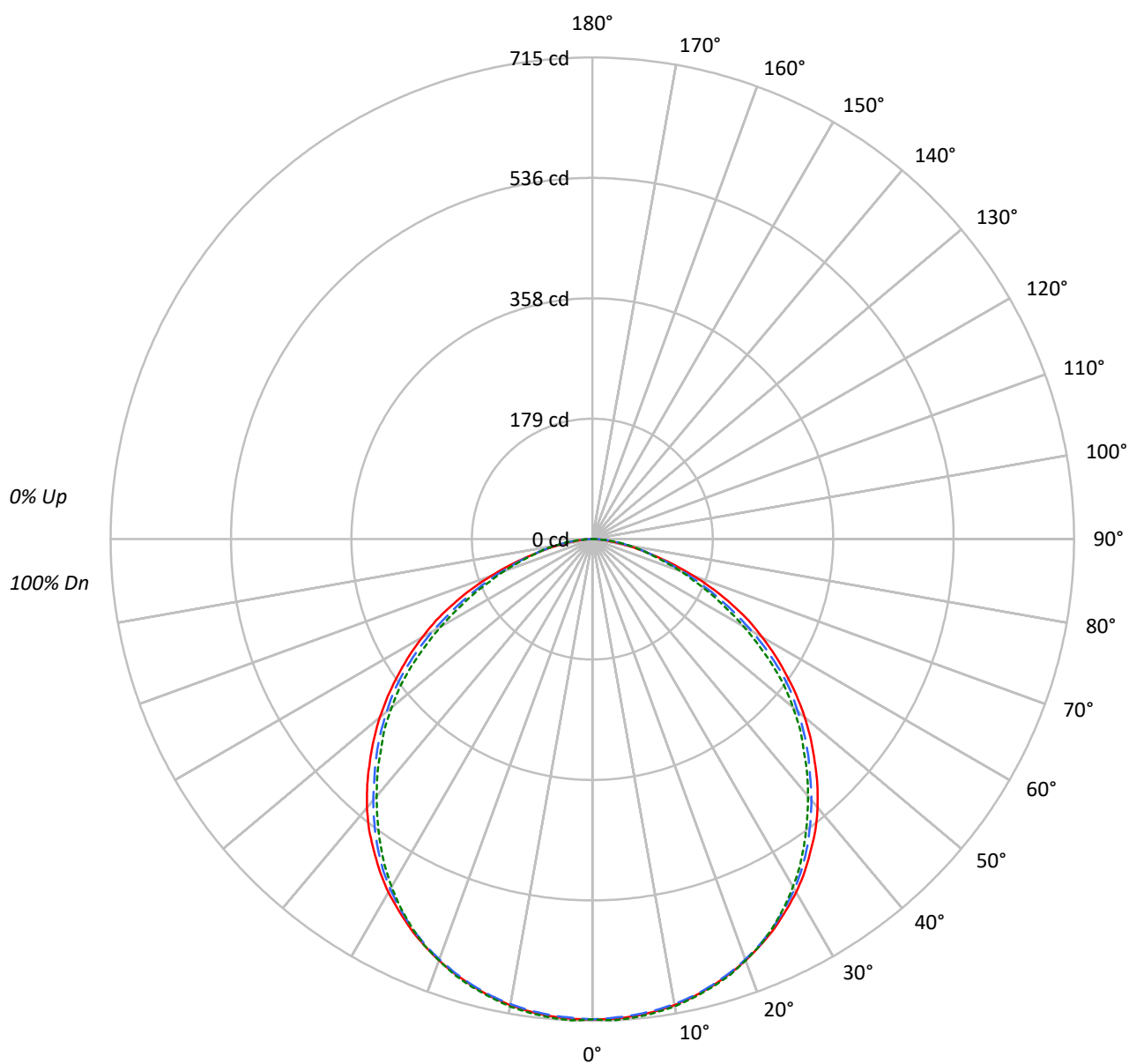
Lumens per Lamp: N/A
Luminaire Lumens: 1892.1 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1919	1919	1919
5°	1920	1916	1926
10°	1919	1915	1925
15°	1914	1911	1918
20°	1906	1901	1906
25°	1895	1887	1886
30°	1881	1864	1851
35°	1856	1827	1804
40°	1827	1777	1749
45°	1777	1724	1689
50°	1723	1667	1628
55°	1651	1595	1532
60°	1566	1473	1396
65°	1448	1316	1250
70°	1256	1145	1102
75°	1002	980	953
80°	762	851	851
85°	562	726	726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1777 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	3.6
10°-20°	193.9	10.3
20°-30°	293.1	15.5
30°-40°	348.0	18.4
40°-50°	350.6	18.5
50°-60°	303.1	16.0
60°-70°	207.2	10.9
70°-80°	102.1	5.4
80°-90°	26.4	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°	554.7	29.3
0°-40°	902.7	47.7
0°-60°	1556.4	82.3
0°-90°	1892.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	711	711	709	712	713	68
15°	687	688	686	688	688	194
25°	638	638	636	636	635	294
35°	565	563	556	551	549	354
45°	467	462	453	448	444	360
55°	352	351	340	330	326	315
65°	227	219	207	198	196	225
75°	96	96	94	94	92	105
85°	18	21	24	24	24	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	713.0	713.0	713.0	713.0	713.0
2.5°	712.8	713.0	711.2	714.3	715.1
5°	710.9	711.2	709.3	712.2	713.0
7.5°	707.5	708.0	705.9	708.8	709.3
10°	702.4	702.7	700.9	703.8	704.4
12.5°	695.6	695.8	694.3	696.9	696.9
15°	686.9	687.7	685.8	688.2	688.4
17.5°	677.1	677.4	675.6	678.1	678.7
20°	665.5	665.5	663.9	666.1	665.5
22.5°	652.5	652.5	650.7	651.7	652.2
25°	638.3	637.7	635.6	636.2	635.1
27.5°	621.9	621.9	618.1	618.1	616.3
30°	605.3	603.9	600.0	597.6	595.8
32.5°	586.2	584.4	579.4	575.1	573.8
35°	564.9	562.9	556.3	551.3	549.2
37.5°	544.2	540.0	531.3	526.3	523.9
40°	520.1	514.9	505.9	499.0	498.0
42.5°	494.3	490.1	478.5	473.4	472.1
45°	466.9	461.8	453.0	447.7	443.8
47.5°	439.9	436.1	426.1	419.8	418.5
50°	411.6	408.4	398.1	391.3	388.9
52.5°	382.3	380.2	371.4	362.7	359.8
55°	351.9	350.9	340.0	330.0	326.5
57.5°	322.1	320.7	307.2	295.6	292.4
60°	290.9	286.9	273.7	262.9	259.4
62.5°	261.3	252.9	238.6	230.1	226.2
65°	227.4	219.3	206.6	197.6	196.3
67.5°	194.2	184.4	174.6	169.1	164.8
70°	159.6	152.9	145.5	140.8	140.1
72.5°	127.3	122.6	118.8	116.0	113.6
75°	96.4	95.6	94.3	94.3	91.7
77.5°	70.8	72.7	73.7	73.4	74.0
80°	49.2	52.8	54.9	55.2	54.9
82.5°	31.2	35.4	38.9	39.4	39.9
85°	18.2	21.4	23.5	24.0	23.5
87.5°	8.2	10.3	10.8	11.3	10.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)