

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: P1050171

Luminaire Tested: PTR-14-20-PC3-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PC3-L830-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

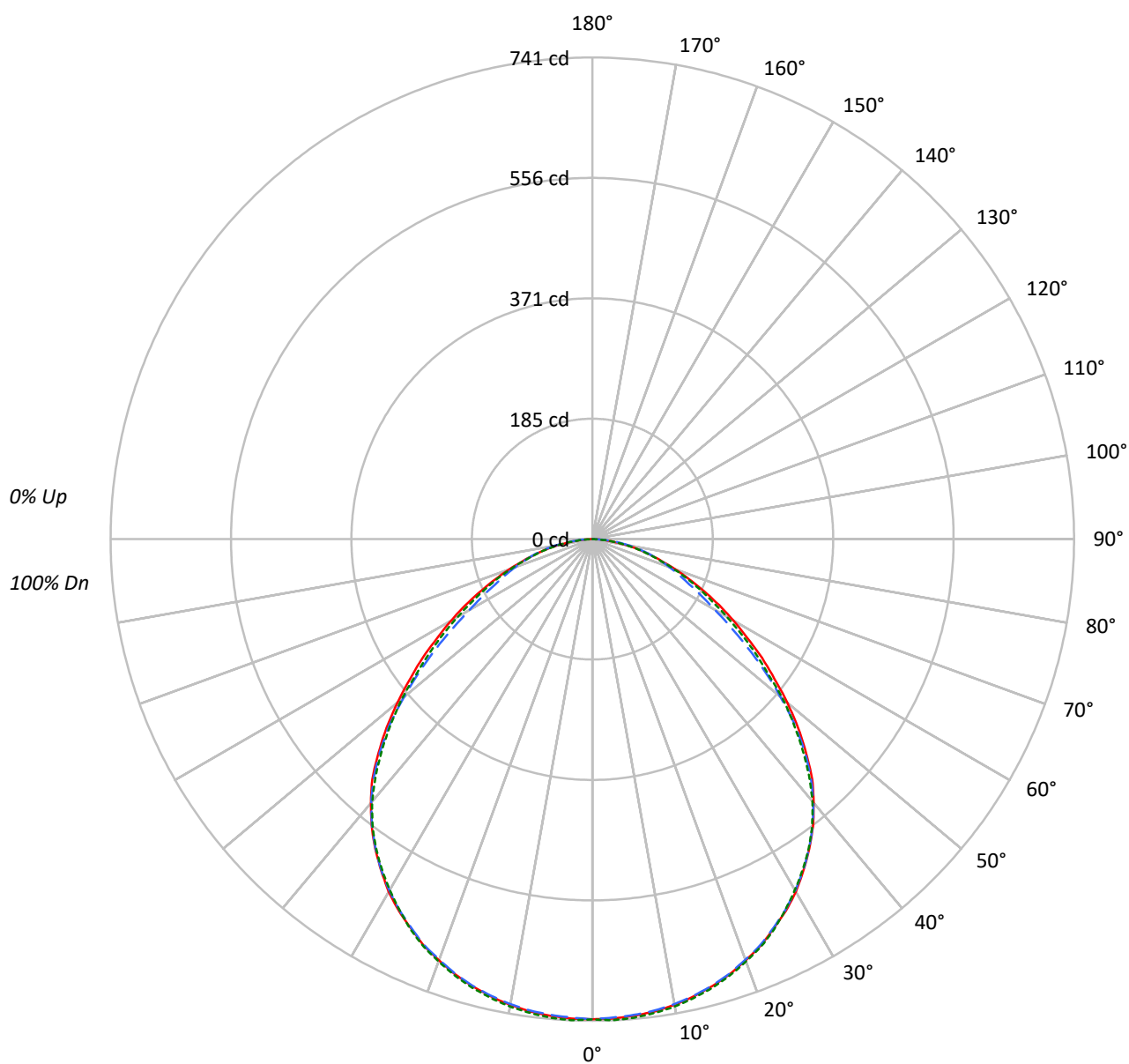
Lumens per Lamp: N/A
Luminaire Lumens: 1862.4 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1988	1988	1988
5°	1988	1985	1996
10°	1988	1985	1996
15°	1984	1982	1990
20°	1975	1972	1980
25°	1961	1958	1966
30°	1947	1940	1937
35°	1912	1910	1906
40°	1861	1858	1850
45°	1770	1757	1739
50°	1638	1583	1601
55°	1495	1374	1436
60°	1348	1172	1285
65°	1205	1048	1156
70°	1068	991	1039
75°	945	961	926
80°	815	917	810
85°	611	726	611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.8
10°-20°	201.1	10.8
20°-30°	304.5	16.3
30°-40°	363.0	19.5
40°-50°	354.7	19.0
50°-60°	271.2	14.6
60°-70°	174.1	9.4
70°-80°	96.9	5.2
80°-90°	26.8	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°	575.7	30.9
0°-40°	938.7	50.4
0°-60°	1564.6	84.0
0°-90°	1862.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1862.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	736	737	735	738	739	70
15°	712	713	711	714	714	201
25°	661	661	660	662	662	305
35°	582	582	581	581	580	363
45°	465	466	462	460	457	358
55°	319	308	293	296	306	285
65°	189	175	165	170	182	189
75°	91	92	92	91	89	97
85°	20	23	24	23	20	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.7	738.7	738.7	738.7	738.7
2.5°	738.2	738.5	736.6	739.8	740.8
5°	736.1	736.6	734.8	738.2	739.0
7.5°	733.0	733.4	731.6	735.1	735.4
10°	727.7	728.0	726.3	729.8	730.3
12.5°	720.6	721.3	719.5	722.7	722.9
15°	712.0	712.6	711.3	713.7	714.4
17.5°	702.0	702.3	701.0	703.6	703.9
20°	689.6	689.6	688.5	691.5	691.5
22.5°	676.9	676.1	675.8	676.9	678.5
25°	660.6	661.3	659.5	661.6	662.1
27.5°	644.7	644.7	643.1	644.2	642.8
30°	626.5	625.4	624.4	624.6	623.3
32.5°	604.5	604.5	604.0	604.0	602.4
35°	581.9	582.3	581.3	581.0	580.2
37.5°	557.5	558.3	556.4	555.9	555.4
40°	529.7	529.7	529.0	527.9	526.6
42.5°	500.9	500.9	497.6	494.9	493.1
45°	465.0	466.1	461.6	460.5	456.9
47.5°	429.3	428.5	422.5	421.7	419.6
50°	391.3	386.8	378.1	380.4	382.4
52.5°	353.3	347.7	335.0	337.6	340.8
55°	318.6	307.6	292.8	296.4	306.0
57.5°	282.4	267.6	252.9	259.8	271.6
60°	250.5	233.9	217.7	225.1	238.8
62.5°	219.8	202.2	189.2	196.3	207.9
65°	189.2	174.6	164.6	170.1	181.5
67.5°	161.2	151.4	144.6	147.2	156.4
70°	135.8	129.7	126.0	126.8	132.1
72.5°	111.7	110.2	108.9	108.9	109.3
75°	90.9	91.7	92.4	91.2	89.1
77.5°	71.6	74.2	76.1	73.4	70.8
80°	52.6	56.8	59.2	56.3	52.3
82.5°	35.9	40.7	41.5	39.6	35.1
85°	19.8	23.2	23.5	22.8	19.8
87.5°	7.4	8.7	9.5	8.7	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)