

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: P1050189

Luminaire Tested: PTR-14-20-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050189
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-L940-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

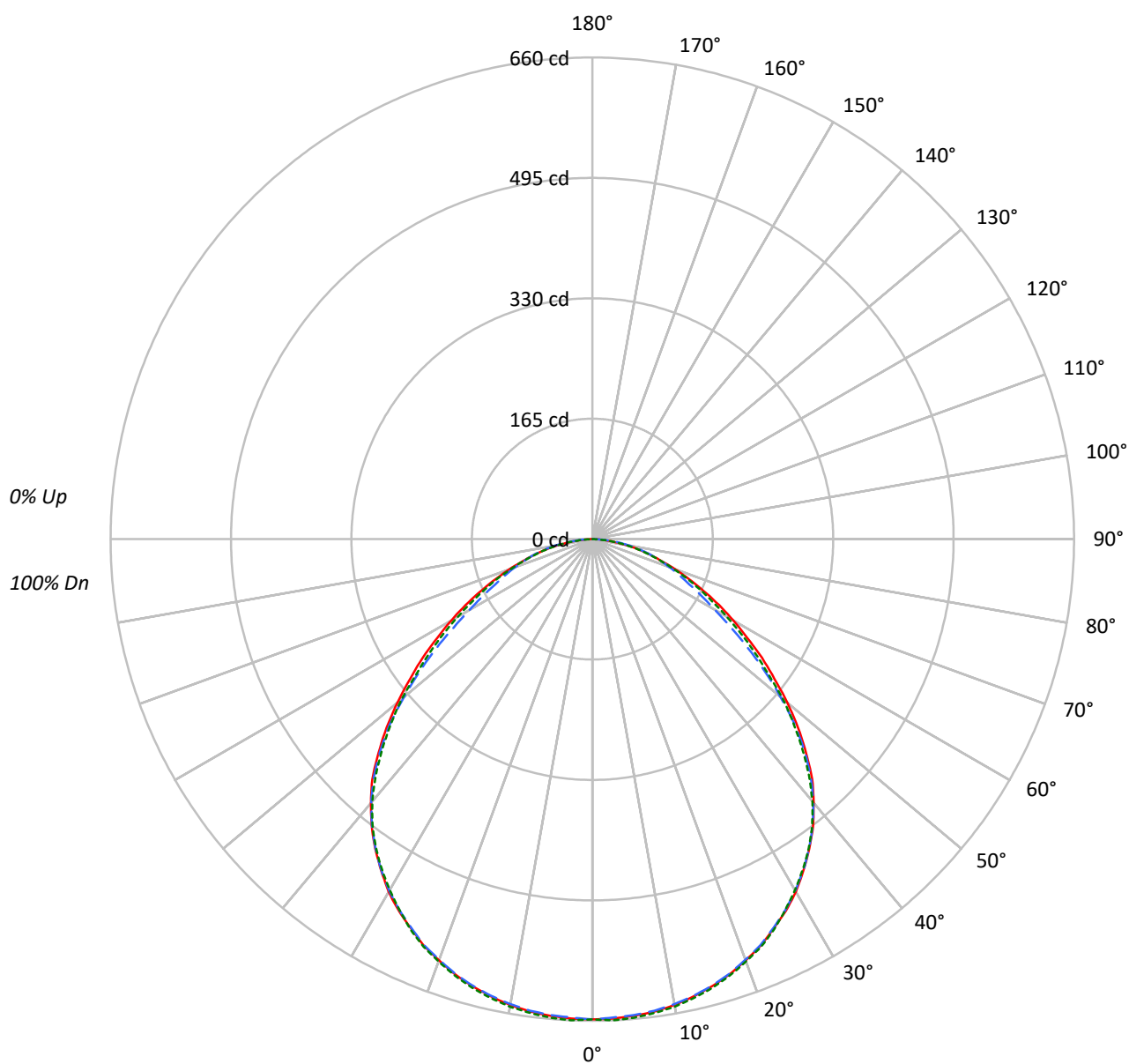
Lumens per Lamp: N/A
Luminaire Lumens: 1658.9 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1771	1771	1771
5°	1771	1768	1778
10°	1771	1768	1777
15°	1767	1765	1773
20°	1759	1756	1764
25°	1747	1744	1751
30°	1734	1728	1725
35°	1703	1701	1698
40°	1657	1655	1648
45°	1576	1564	1549
50°	1459	1410	1426
55°	1331	1224	1278
60°	1201	1044	1145
65°	1073	933	1030
70°	952	884	926
75°	842	856	826
80°	727	818	722
85°	543	645	543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1580 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.8
10°-20°	179.1	10.8
20°-30°	271.2	16.3
30°-40°	323.4	19.5
40°-50°	315.9	19.0
50°-60°	241.6	14.6
60°-70°	155.1	9.3
70°-80°	86.3	5.2
80°-90°	23.8	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°	512.8	30.9
0°-40°	836.1	50.4
0°-60°	1393.6	84.0
0°-90°	1658.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1658.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	656	656	654	658	658	62
15°	634	635	634	636	636	179
25°	588	589	587	589	590	271
35°	518	519	518	518	517	324
45°	414	415	411	410	407	319
55°	284	274	261	264	272	254
65°	168	156	147	152	162	168
75°	81	82	82	81	79	87
85°	18	21	21	20	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.0	658.0	658.0	658.0	658.0
2.5°	657.6	657.8	656.1	658.9	659.9
5°	655.7	656.1	654.5	657.6	658.2
7.5°	652.9	653.3	651.7	654.7	655.0
10°	648.2	648.4	647.0	650.0	650.5
12.5°	641.8	642.5	640.9	643.7	643.9
15°	634.2	634.7	633.5	635.7	636.4
17.5°	625.3	625.6	624.4	626.7	627.0
20°	614.2	614.2	613.3	615.9	615.9
22.5°	602.9	602.2	602.0	602.9	604.4
25°	588.4	589.1	587.4	589.3	589.8
27.5°	574.3	574.3	572.8	573.8	572.6
30°	558.0	557.1	556.2	556.3	555.2
32.5°	538.4	538.4	538.0	538.0	536.6
35°	518.3	518.7	517.8	517.5	516.8
37.5°	496.6	497.3	495.6	495.2	494.7
40°	471.8	471.8	471.2	470.2	469.0
42.5°	446.2	446.2	443.2	440.8	439.2
45°	414.2	415.1	411.1	410.2	406.9
47.5°	382.4	381.7	376.3	375.6	373.8
50°	348.5	344.5	336.8	338.9	340.6
52.5°	314.7	309.7	298.4	300.7	303.6
55°	283.8	274.0	260.8	264.1	272.5
57.5°	251.6	238.4	225.2	231.4	241.9
60°	223.1	208.3	193.9	200.5	212.7
62.5°	195.8	180.1	168.5	174.9	185.2
65°	168.5	155.5	146.6	151.5	161.7
67.5°	143.6	134.8	128.8	131.1	139.3
70°	121.0	115.5	112.3	113.0	117.7
72.5°	99.5	98.2	97.0	97.0	97.4
75°	81.0	81.7	82.3	81.2	79.4
77.5°	63.8	66.1	67.8	65.4	63.1
80°	46.9	50.6	52.8	50.1	46.6
82.5°	32.0	36.3	36.9	35.3	31.3
85°	17.6	20.7	20.9	20.3	17.6
87.5°	6.6	7.8	8.5	7.8	6.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)