

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: P1050174

Luminaire Tested: PTR-14-20-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050174
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-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

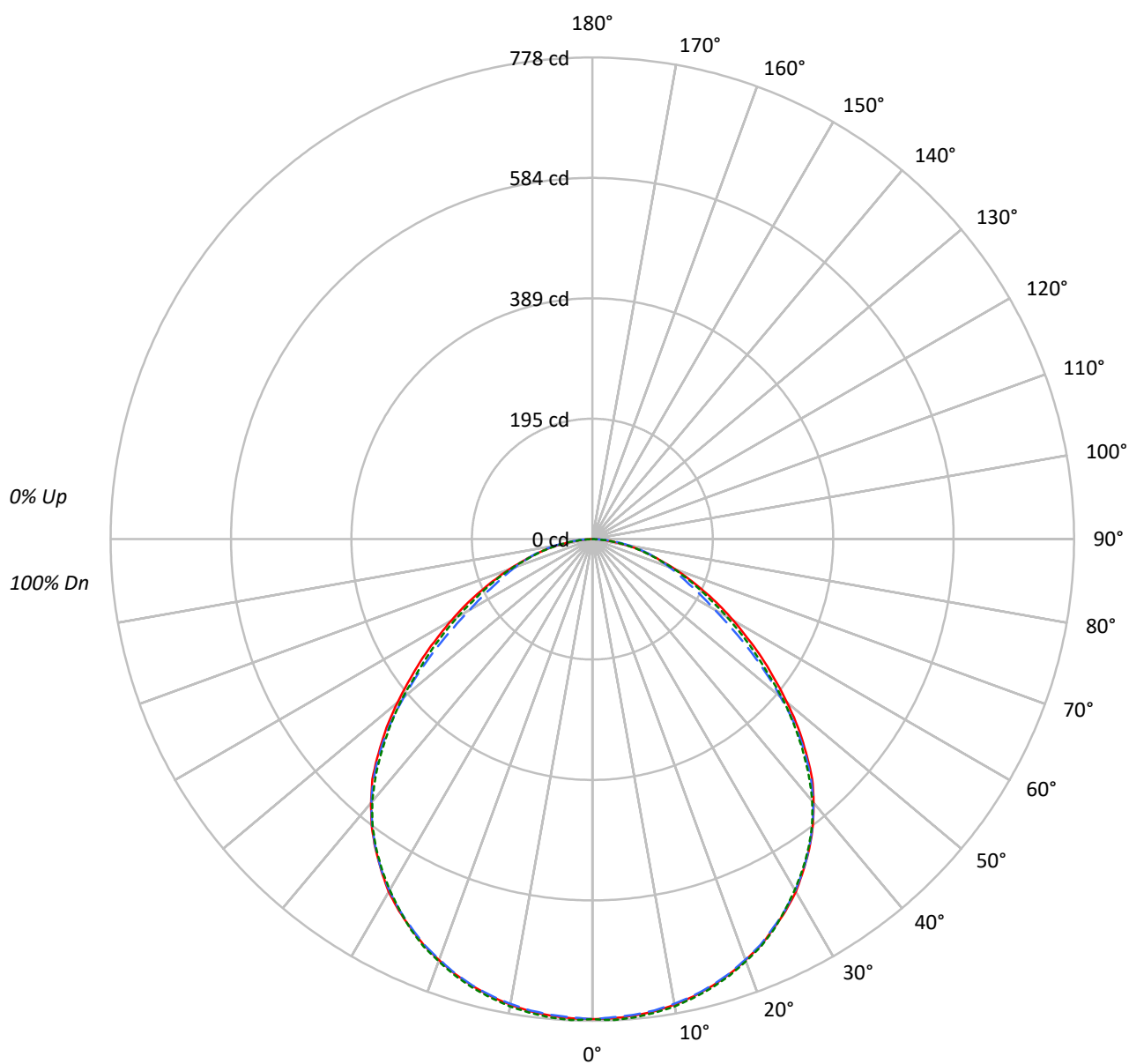
Lumens per Lamp: N/A
Luminaire Lumens: 1954.6 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2086	2086	2086
5°	2087	2083	2095
10°	2087	2083	2094
15°	2082	2080	2089
20°	2072	2069	2078
25°	2059	2055	2063
30°	2043	2036	2033
35°	2006	2004	2000
40°	1953	1950	1941
45°	1857	1843	1825
50°	1719	1662	1680
55°	1569	1442	1506
60°	1415	1230	1349
65°	1265	1100	1213
70°	1122	1041	1090
75°	992	1009	972
80°	855	964	851
85°	642	763	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	3.8
10°-20°	211.1	10.8
20°-30°	319.6	16.3
30°-40°	381.0	19.5
40°-50°	372.3	19.0
50°-60°	284.7	14.6
60°-70°	182.8	9.4
70°-80°	101.7	5.2
80°-90°	28.1	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°	604.2	30.9
0°-40°	985.1	50.4
0°-60°	1642.0	84.0
0°-90°	1954.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1954.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	773	773	771	775	776	73
15°	747	748	746	749	750	211
25°	693	694	692	694	695	320
35°	611	611	610	610	609	381
45°	488	489	484	483	480	376
55°	334	323	307	311	321	299
65°	199	183	173	178	190	198
75°	95	96	97	96	94	102
85°	21	24	25	24	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.3	775.3	775.3	775.3	775.3
2.5°	774.8	775.1	773.1	776.4	777.5
5°	772.6	773.1	771.1	774.8	775.6
7.5°	769.2	769.7	767.8	771.4	771.7
10°	763.7	764.0	762.3	765.9	766.4
12.5°	756.2	757.0	755.1	758.4	758.6
15°	747.3	747.9	746.5	749.0	749.8
17.5°	736.8	737.1	735.7	738.4	738.7
20°	723.7	723.7	722.6	725.7	725.7
22.5°	710.4	709.6	709.3	710.4	712.1
25°	693.3	694.1	692.2	694.4	694.9
27.5°	676.6	676.6	674.9	676.0	674.6
30°	657.5	656.4	655.3	655.5	654.2
32.5°	634.4	634.4	633.9	633.9	632.2
35°	610.6	611.2	610.0	609.7	608.9
37.5°	585.1	586.0	583.9	583.4	582.8
40°	555.9	555.9	555.1	554.0	552.6
42.5°	525.7	525.7	522.2	519.4	517.5
45°	488.0	489.1	484.4	483.3	479.5
47.5°	450.6	449.7	443.4	442.6	440.4
50°	410.7	405.9	396.9	399.3	401.3
52.5°	370.8	364.9	351.6	354.3	357.7
55°	334.4	322.8	307.3	311.1	321.1
57.5°	296.4	280.9	265.4	272.6	285.0
60°	262.9	245.4	228.5	236.3	250.7
62.5°	230.7	212.2	198.6	206.0	218.2
65°	198.6	183.3	172.8	178.5	190.5
67.5°	169.2	158.9	151.7	154.4	164.1
70°	142.6	136.1	132.3	133.1	138.6
72.5°	117.3	115.7	114.3	114.3	114.8
75°	95.4	96.2	97.0	95.7	93.5
77.5°	75.2	77.9	79.9	77.1	74.4
80°	55.2	59.6	62.2	59.0	54.9
82.5°	37.7	42.7	43.5	41.6	36.9
85°	20.8	24.4	24.7	23.9	20.8
87.5°	7.8	9.2	10.0	9.2	8.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)