

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: P1050180

Luminaire Tested: PTR-14-20-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050180
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-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

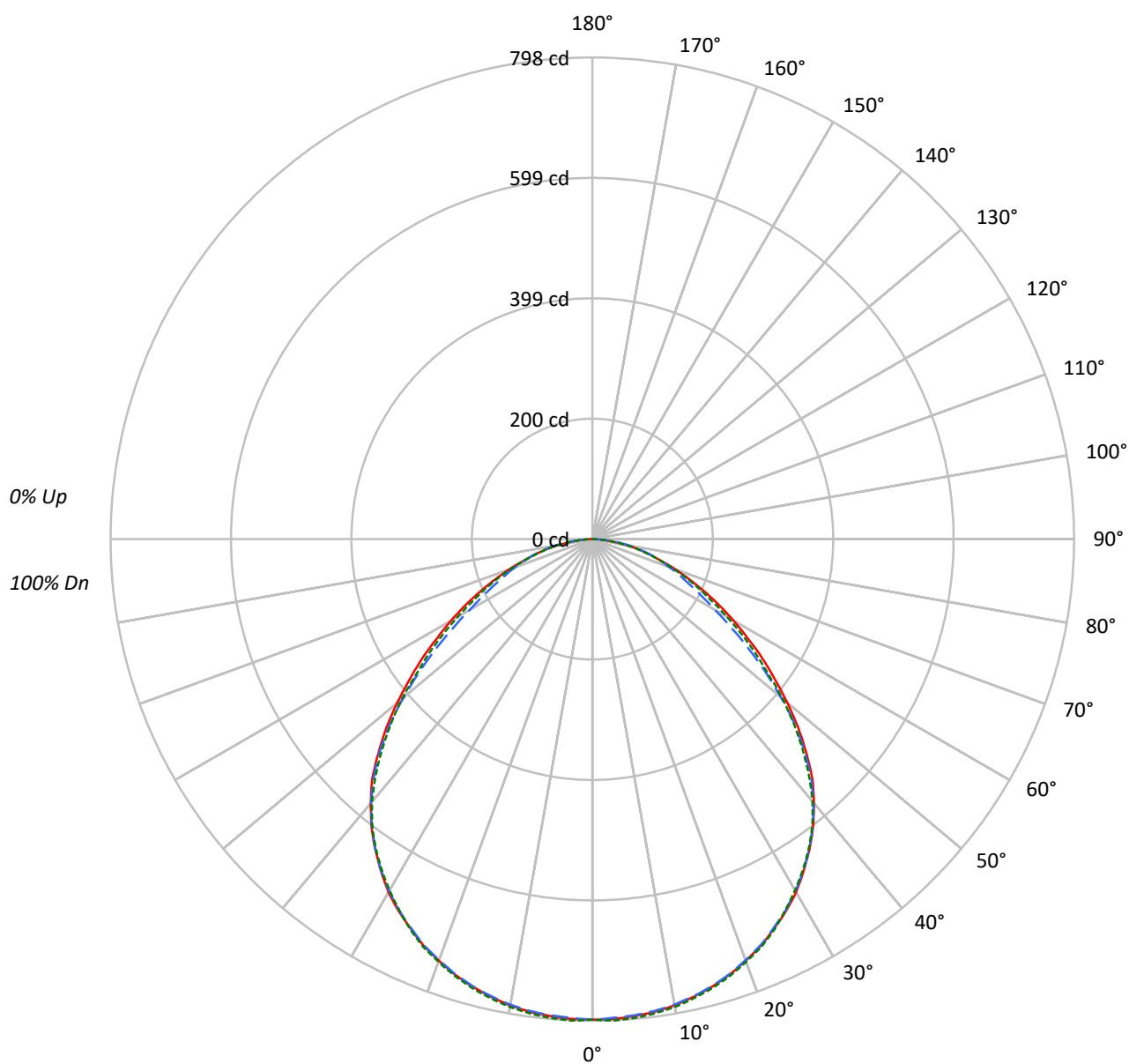
Lumens per Lamp: N/A
Luminaire Lumens: 2007.4 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2143	2143	2143
5°	2143	2139	2152
10°	2143	2139	2151
15°	2138	2136	2145
20°	2128	2125	2134
25°	2114	2111	2119
30°	2098	2091	2087
35°	2060	2058	2054
40°	2006	2003	1994
45°	1907	1893	1874
50°	1766	1706	1725
55°	1611	1481	1547
60°	1453	1263	1385
65°	1298	1130	1246
70°	1152	1069	1120
75°	1019	1036	998
80°	879	989	874
85°	658	784	658

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.8
10°-20°	216.8	10.8
20°-30°	328.2	16.3
30°-40°	391.3	19.5
40°-50°	382.3	19.0
50°-60°	292.3	14.6
60°-70°	187.7	9.4
70°-80°	104.4	5.2
80°-90°	28.8	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°	620.5	30.9
0°-40°	1011.7	50.4
0°-60°	1686.4	84.0
0°-90°	2007.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2007.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	793	794	792	796	796	75
15°	767	768	767	769	770	217
25°	712	713	711	713	714	328
35°	627	628	626	626	625	392
45°	501	502	498	496	492	386
55°	343	332	316	320	330	307
65°	204	188	178	183	196	203
75°	98	99	100	98	96	105
85°	21	25	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°	796.2	796.2	796.2	796.2	796.2
2.5°	795.7	796.0	793.9	797.4	798.5
5°	793.4	793.9	792.0	795.7	796.5
7.5°	790.0	790.5	788.6	792.3	792.6
10°	784.3	784.6	782.9	786.6	787.1
12.5°	776.7	777.5	775.5	778.9	779.1
15°	767.4	768.1	766.6	769.2	770.0
17.5°	756.7	757.0	755.6	758.3	758.7
20°	743.2	743.2	742.1	745.3	745.3
22.5°	729.6	728.8	728.4	729.6	731.3
25°	712.0	712.8	710.9	713.1	713.6
27.5°	694.9	694.9	693.2	694.3	692.8
30°	675.3	674.1	673.0	673.2	671.8
32.5°	651.6	651.6	651.0	651.0	649.3
35°	627.1	627.7	626.5	626.2	625.4
37.5°	600.9	601.8	599.7	599.2	598.6
40°	571.0	571.0	570.1	569.0	567.5
42.5°	539.9	539.9	536.3	533.4	531.4
45°	501.2	502.4	497.5	496.4	492.4
47.5°	462.7	461.9	455.4	454.6	452.3
50°	421.8	416.9	407.6	410.1	412.1
52.5°	380.8	374.8	361.1	363.9	367.3
55°	343.4	331.5	315.6	319.5	329.8
57.5°	304.4	288.5	272.5	280.0	292.7
60°	270.0	252.1	234.7	242.6	257.4
62.5°	237.0	217.9	203.9	211.6	224.1
65°	203.9	188.2	177.5	183.4	195.7
67.5°	173.7	163.2	155.8	158.6	168.6
70°	146.4	139.8	135.9	136.7	142.4
72.5°	120.4	118.8	117.3	117.3	117.9
75°	98.0	98.8	99.6	98.3	96.0
77.5°	77.2	80.0	82.1	79.2	76.4
80°	56.7	61.3	63.8	60.6	56.4
82.5°	38.7	43.9	44.7	42.7	37.9
85°	21.3	25.0	25.4	24.5	21.3
87.5°	8.0	9.4	10.2	9.4	8.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)