

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: P1050327

Luminaire Tested: PTR-14-20-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PP3-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

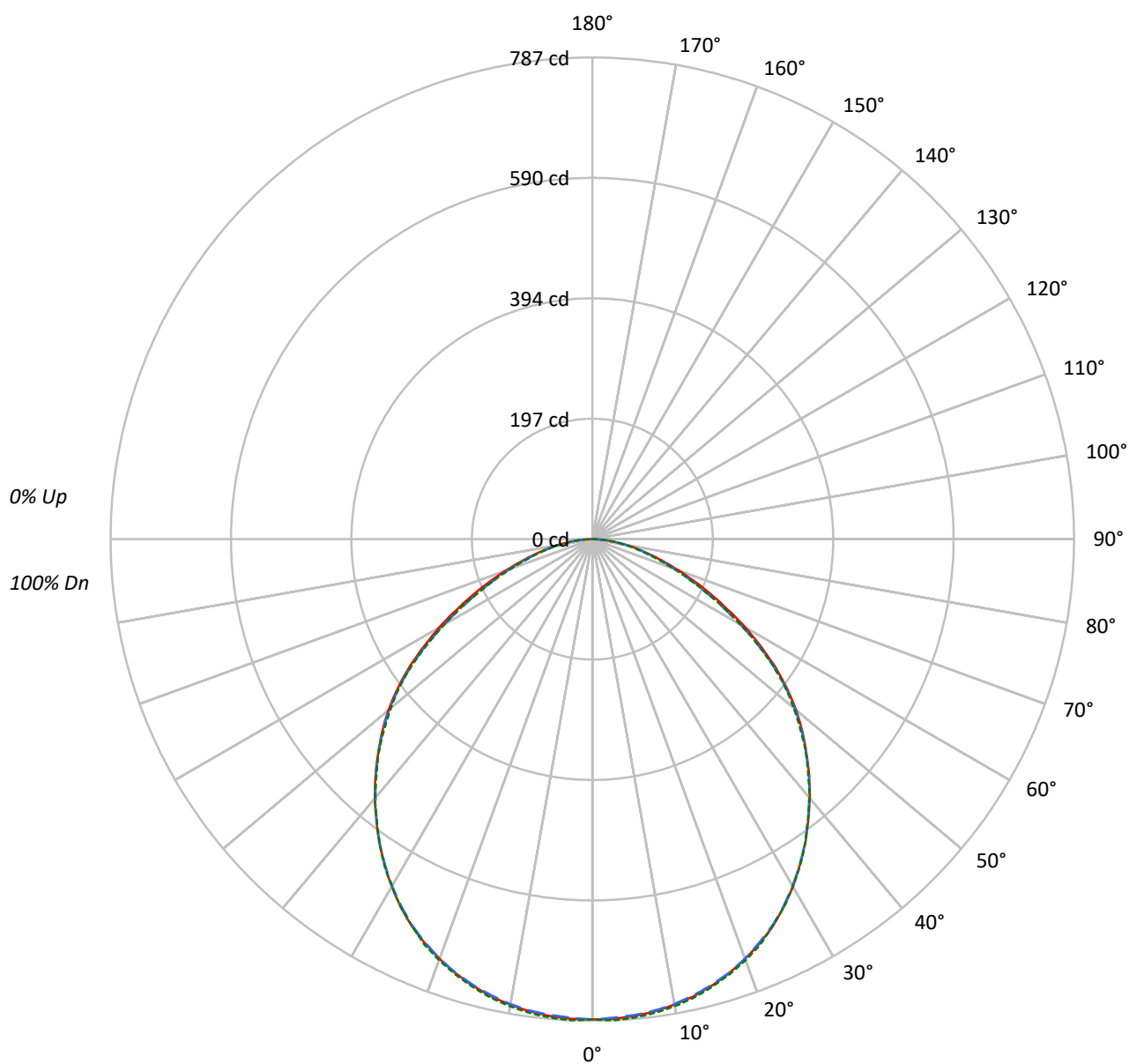
Lumens per Lamp: N/A
Luminaire Lumens: 2027.5 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2112	2112	2112
5°	2113	2109	2120
10°	2111	2108	2118
15°	2104	2100	2109
20°	2090	2088	2097
25°	2071	2068	2070
30°	2036	2032	2036
35°	1992	1989	1991
40°	1941	1935	1940
45°	1883	1877	1880
50°	1820	1811	1798
55°	1713	1693	1688
60°	1555	1502	1505
65°	1365	1297	1295
70°	1181	1127	1114
75°	1021	984	962
80°	905	891	852
85°	747	772	729

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1889 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.7
10°-20°	213.2	10.5
20°-30°	321.0	15.8
30°-40°	378.8	18.7
40°-50°	381.0	18.8
50°-60°	321.6	15.9
60°-70°	206.6	10.2
70°-80°	102.7	5.1
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°	608.6	30.0
0°-40°	987.4	48.7
0°-60°	1690.0	83.4
0°-90°	2027.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2027.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	782	783	781	784	785	74
15°	755	755	754	757	757	213
25°	698	698	696	698	697	321
35°	606	607	606	606	606	379
45°	495	496	493	494	494	382
55°	365	365	361	359	360	325
65°	214	211	204	202	203	214
75°	98	98	95	94	92	106
85°	24	25	25	24	24	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.7	784.7	784.7	784.7	784.7
2.5°	784.4	784.7	782.6	786.4	787.0
5°	782.4	782.6	780.7	784.4	784.9
7.5°	778.4	778.7	777.0	780.4	781.0
10°	772.4	773.3	771.3	774.5	775.0
12.5°	765.1	765.4	763.3	767.0	767.6
15°	755.1	755.3	753.7	757.1	757.1
17.5°	743.6	743.9	742.8	745.7	745.4
20°	729.8	730.6	729.1	731.1	732.2
22.5°	714.7	715.0	713.2	715.8	716.9
25°	697.6	697.8	696.4	697.8	697.3
27.5°	677.6	678.1	676.1	677.6	677.9
30°	655.3	656.8	654.0	655.1	655.3
32.5°	631.4	632.3	630.3	630.6	632.1
35°	606.4	606.7	605.6	606.1	606.1
37.5°	579.4	580.5	578.8	579.6	578.4
40°	552.6	551.4	550.8	551.4	552.3
42.5°	524.3	524.6	523.8	523.2	521.8
45°	494.7	496.5	493.3	493.9	493.9
47.5°	465.7	465.9	464.3	462.5	461.4
50°	434.7	434.7	432.6	431.3	429.5
52.5°	400.7	400.2	397.9	396.5	397.3
55°	365.1	364.8	360.9	359.4	359.8
57.5°	326.1	326.7	320.7	319.3	319.3
60°	288.9	286.0	279.1	277.2	279.7
62.5°	249.7	246.3	239.0	239.0	240.9
65°	214.4	211.3	203.7	201.6	203.4
67.5°	181.4	178.5	171.5	170.4	170.9
70°	150.1	147.6	143.2	140.7	141.6
72.5°	123.1	120.8	117.9	115.9	114.8
75°	98.2	97.7	94.6	93.7	92.5
77.5°	77.7	77.5	74.9	73.8	72.7
80°	58.4	58.1	57.5	55.8	55.0
82.5°	41.6	41.6	41.3	39.8	39.0
85°	24.2	25.0	25.0	23.6	23.6
87.5°	9.7	10.2	9.7	9.7	9.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)