

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: P1050131

Luminaire Tested: PTR-14-20-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-20-PB1-L850-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

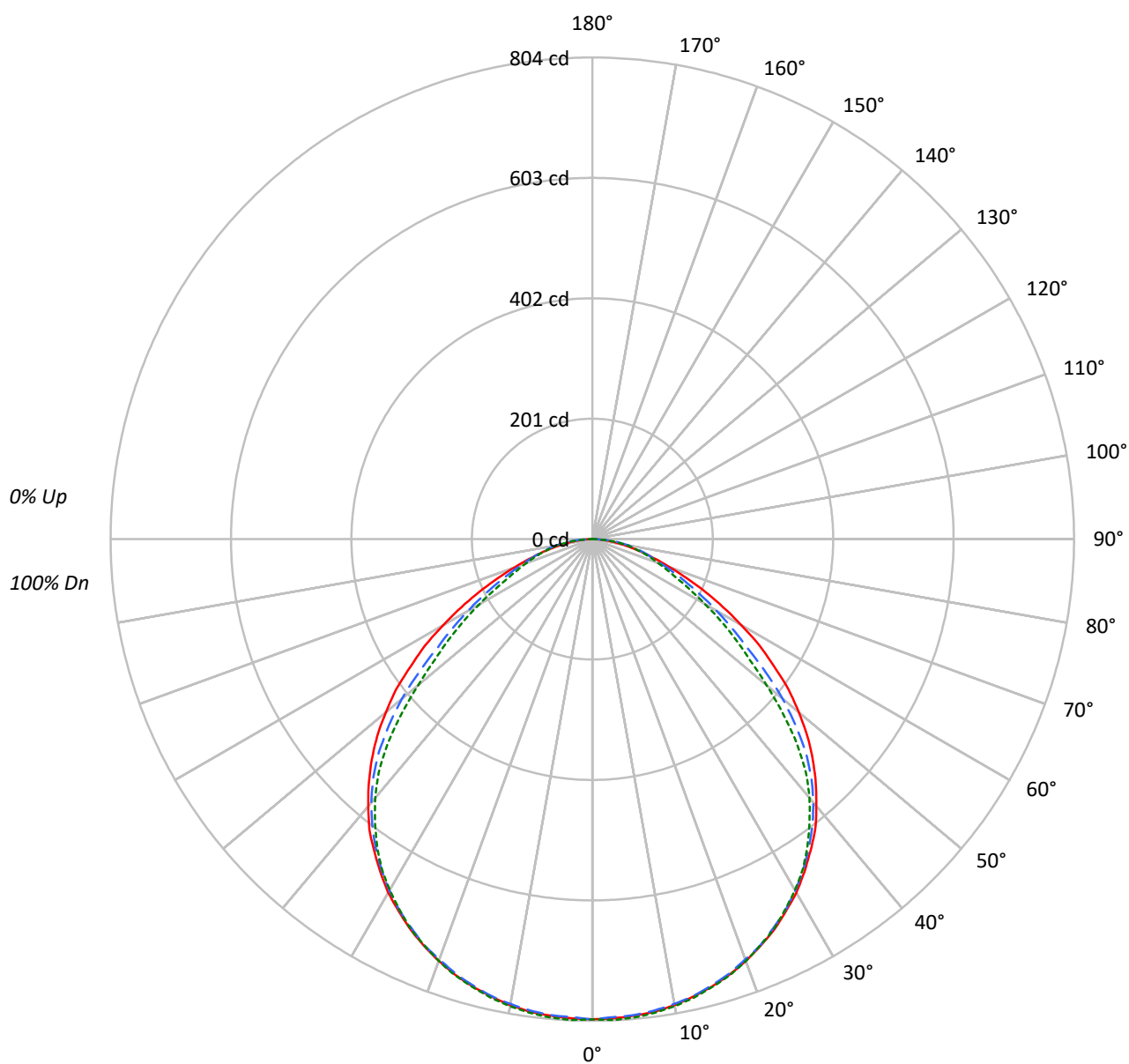
Lumens per Lamp: N/A
Luminaire Lumens: 1998.7 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2157	2157	2157
5°	2157	2155	2165
10°	2158	2153	2163
15°	2154	2148	2156
20°	2146	2137	2146
25°	2134	2125	2131
30°	2117	2105	2101
35°	2086	2070	2057
40°	2043	2016	1981
45°	1981	1917	1838
50°	1882	1738	1589
55°	1734	1476	1369
60°	1544	1290	1173
65°	1324	1117	998
70°	1094	985	915
75°	922	943	892
80°	779	962	917
85°	611	976	852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1981 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.8
10°-20°	218.1	10.9
20°-30°	330.3	16.5
30°-40°	393.6	19.7
40°-50°	384.9	19.3
50°-60°	291.2	14.6
60°-70°	178.9	8.9
70°-80°	95.3	4.8
80°-90°	30.4	1.5
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°	624.4	31.2
0°-40°	1018.0	50.9
0°-60°	1694.1	84.8
0°-90°	1998.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1998.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	799	800	798	801	802	76
15°	773	774	771	774	774	218
25°	719	718	716	717	718	331
35°	635	634	630	627	626	397
45°	520	518	504	487	483	400
55°	370	351	315	297	292	331
65°	208	191	176	162	157	207
75°	89	90	91	88	86	95
85°	20	26	32	30	28	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.6	801.6	801.6	801.6	801.6
2.5°	800.6	801.6	798.6	802.6	803.5
5°	798.6	799.6	797.6	800.6	801.6
7.5°	795.7	795.7	793.7	796.6	797.6
10°	789.8	789.8	787.8	790.7	791.7
12.5°	781.9	781.9	780.9	782.8	783.9
15°	773.0	773.9	771.0	773.9	773.9
17.5°	762.1	761.2	760.2	762.1	763.2
20°	749.3	749.3	746.4	748.4	749.3
22.5°	734.5	734.5	733.6	734.5	733.6
25°	718.8	717.7	715.7	716.8	717.7
27.5°	700.0	700.0	698.0	698.0	697.0
30°	681.3	680.2	677.3	675.4	676.3
32.5°	658.6	657.6	654.7	652.7	653.6
35°	634.9	634.0	630.0	627.0	626.1
37.5°	611.3	608.3	603.3	599.4	595.5
40°	581.7	578.7	573.8	564.9	563.9
42.5°	552.1	549.2	541.2	530.5	527.5
45°	520.5	517.6	503.8	487.0	483.1
47.5°	487.0	482.1	460.4	439.7	431.8
50°	449.6	440.7	415.1	388.5	379.6
52.5°	413.1	397.4	363.8	340.1	331.3
55°	369.7	351.0	314.6	296.8	291.8
57.5°	331.3	305.7	276.1	258.4	254.4
60°	286.9	263.2	239.6	223.8	217.9
62.5°	246.4	225.7	206.1	192.2	185.4
65°	208.0	191.3	175.5	161.7	156.8
67.5°	170.6	161.7	148.8	138.1	135.1
70°	139.0	134.0	125.2	120.3	116.3
72.5°	110.4	112.4	106.5	104.5	101.5
75°	88.7	89.7	90.7	87.8	85.8
77.5°	67.1	71.9	75.9	73.9	71.9
80°	50.3	55.2	62.1	59.2	59.2
82.5°	34.5	40.5	46.4	44.4	43.4
85°	19.8	25.7	31.6	29.6	27.6
87.5°	7.9	12.8	13.8	13.8	12.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)