

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: P1050132

Luminaire Tested: PTR-14-30-PB1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050132
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-14-30-PB1-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

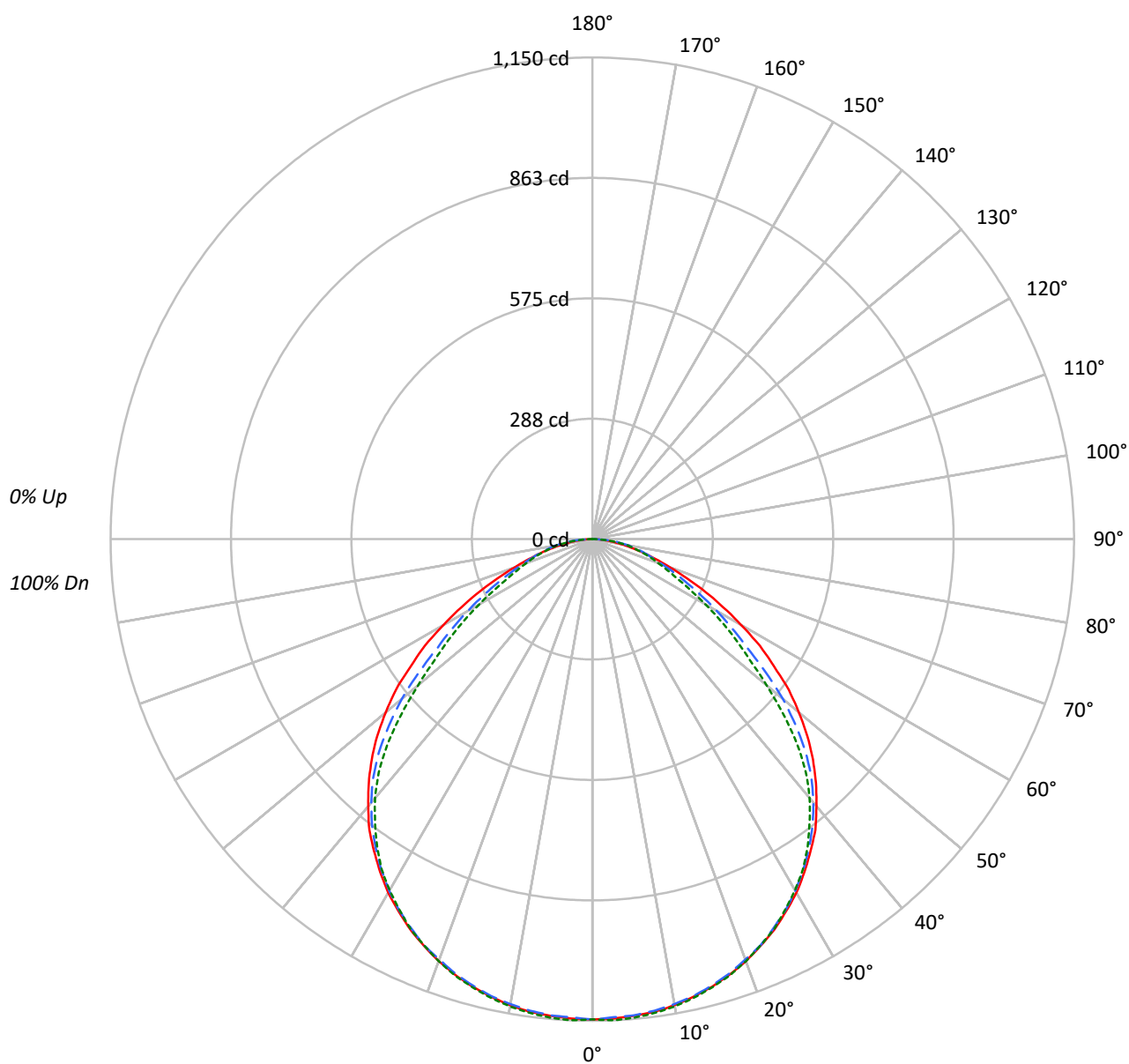
Lumens per Lamp: N/A
Luminaire Lumens: 2859.9 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	3086	3086	3086
5°	3086	3083	3098
10°	3088	3080	3095
15°	3081	3073	3085
20°	3070	3058	3070
25°	3053	3041	3049
30°	3029	3012	3007
35°	2984	2961	2943
40°	2924	2884	2834
45°	2834	2743	2630
50°	2694	2486	2274
55°	2482	2112	1959
60°	2209	1845	1678
65°	1896	1599	1429
70°	1565	1410	1310
75°	1319	1349	1277
80°	1116	1378	1313
85°	874	1396	1220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2834 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.8
10°-20°	312.0	10.9
20°-30°	472.7	16.5
30°-40°	563.2	19.7
40°-50°	550.8	19.3
50°-60°	416.6	14.6
60°-70°	256.0	8.9
70°-80°	136.4	4.8
80°-90°	43.5	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°	893.5	31.2
0°-40°	1456.7	50.9
0°-60°	2424.0	84.8
0°-90°	2859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1147	1147	1147	1147	1147	
5°	1143	1144	1141	1146	1147	109
15°	1106	1107	1103	1107	1107	312
25°	1028	1027	1024	1026	1027	474
35°	908	907	902	897	896	568
45°	745	741	721	697	691	573
55°	529	502	450	425	418	474
65°	298	274	251	231	224	296
75°	127	128	130	126	123	136
85°	28	37	45	42	40	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1146.9	1146.9	1146.9	1146.9	1146.9
2.5°	1145.6	1146.9	1142.6	1148.4	1149.7
5°	1142.6	1144.1	1141.3	1145.6	1146.9
7.5°	1138.5	1138.5	1135.6	1139.8	1141.3
10°	1130.0	1130.0	1127.2	1131.3	1132.8
12.5°	1118.8	1118.8	1117.3	1120.1	1121.6
15°	1106.0	1107.4	1103.2	1107.4	1107.4
17.5°	1090.5	1089.1	1087.7	1090.5	1091.9
20°	1072.1	1072.1	1068.0	1070.8	1072.1
22.5°	1050.9	1050.9	1049.6	1050.9	1049.6
25°	1028.4	1026.9	1024.1	1025.6	1026.9
27.5°	1001.6	1001.6	998.8	998.8	997.3
30°	974.8	973.3	969.2	966.4	967.7
32.5°	942.4	940.9	936.7	933.9	935.3
35°	908.5	907.1	901.5	897.2	895.9
37.5°	874.7	870.4	863.3	857.7	852.0
40°	832.3	828.0	821.1	808.3	806.9
42.5°	790.0	785.8	774.4	759.0	754.7
45°	744.8	740.7	720.8	696.8	691.2
47.5°	696.8	689.9	658.8	629.1	617.9
50°	643.4	630.6	593.9	555.8	543.1
52.5°	591.1	568.6	520.6	486.7	474.1
55°	529.0	502.2	450.1	424.6	417.5
57.5°	474.1	437.3	395.0	369.7	364.0
60°	410.5	376.6	342.9	320.2	311.8
62.5°	352.6	323.0	294.9	275.0	265.2
65°	297.7	273.7	251.2	231.3	224.4
67.5°	244.1	231.3	213.0	197.6	193.3
70°	198.9	191.8	179.2	172.1	166.5
72.5°	158.0	160.8	152.4	149.6	145.3
75°	126.9	128.4	129.7	125.6	122.8
77.5°	96.0	102.9	108.6	105.7	102.9
80°	72.0	78.9	88.9	84.7	84.7
82.5°	49.3	57.9	66.3	63.5	62.1
85°	28.3	36.7	45.2	42.4	39.5
87.5°	11.3	18.4	19.7	19.7	18.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)