

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: P1050129

Luminaire Tested: PTR-14-30-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050129
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-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

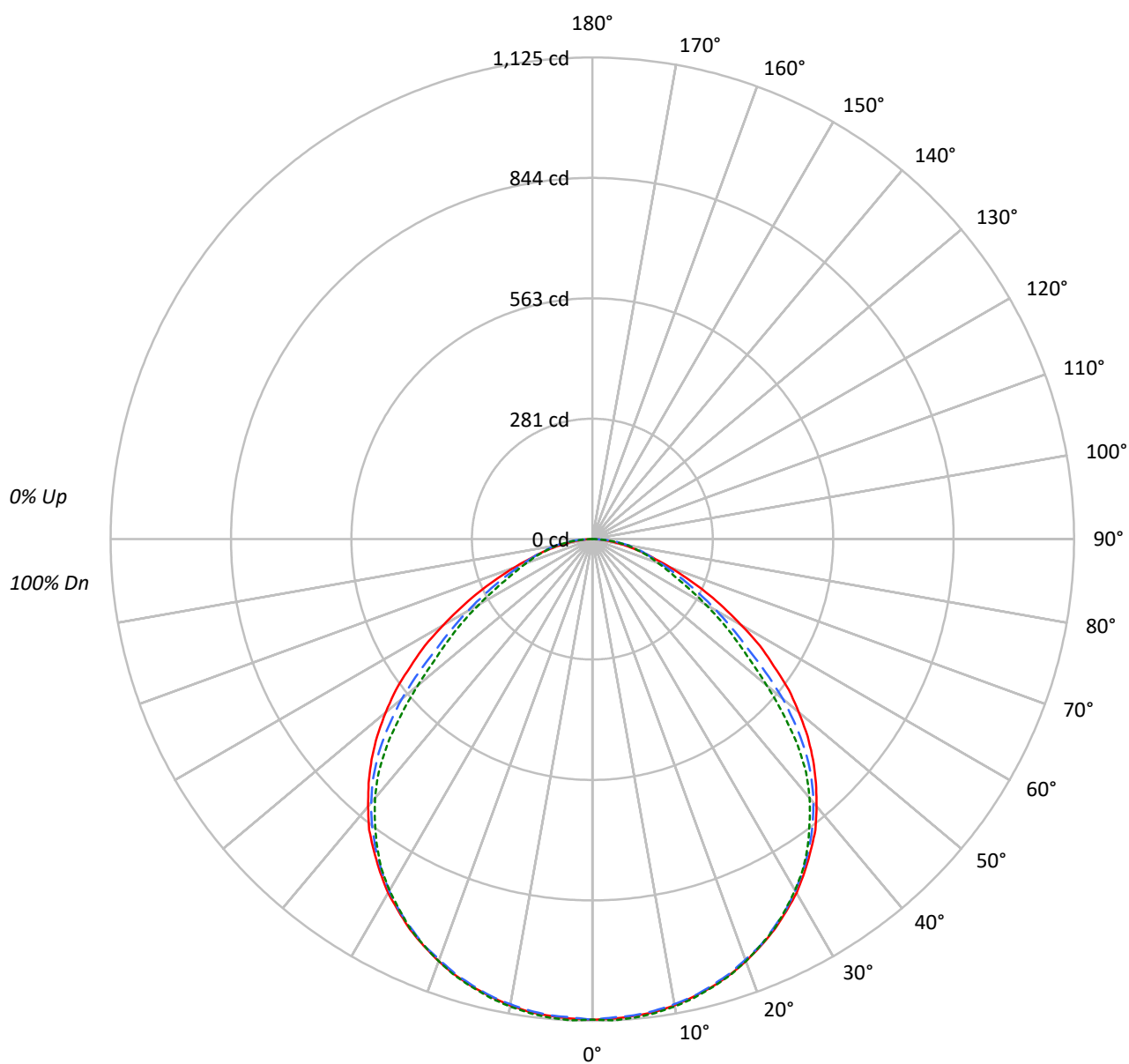
Lumens per Lamp: N/A
Luminaire Lumens: 2798.4 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3020	3020	3020
5°	3020	3016	3032
10°	3021	3014	3029
15°	3015	3007	3019
20°	3004	2993	3004
25°	2988	2975	2984
30°	2964	2947	2942
35°	2920	2898	2880
40°	2861	2822	2773
45°	2774	2684	2574
50°	2635	2433	2225
55°	2429	2066	1917
60°	2162	1806	1642
65°	1855	1565	1398
70°	1531	1380	1282
75°	1291	1319	1249
80°	1091	1348	1285
85°	855	1365	1195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	3.8
10°-20°	305.3	10.9
20°-30°	462.5	16.5
30°-40°	551.1	19.7
40°-50°	538.9	19.3
50°-60°	407.6	14.6
60°-70°	250.5	9.0
70°-80°	133.4	4.8
80°-90°	42.6	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°	874.3	31.2
0°-40°	1425.4	50.9
0°-60°	2371.9	84.8
0°-90°	2798.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2798.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1118	1120	1117	1121	1122	106
15°	1082	1084	1080	1084	1084	305
25°	1006	1005	1002	1004	1005	463
35°	889	888	882	878	877	556
45°	729	725	705	682	676	561
55°	518	491	440	416	408	464
65°	291	268	246	226	220	290
75°	124	126	127	123	120	133
85°	28	36	44	41	39	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.3	1122.3	1122.3	1122.3	1122.3
2.5°	1121.0	1122.3	1118.1	1123.7	1125.0
5°	1118.1	1119.5	1116.7	1121.0	1122.3
7.5°	1114.0	1114.0	1111.2	1115.3	1116.7
10°	1105.7	1105.7	1103.0	1107.0	1108.5
12.5°	1094.7	1094.7	1093.3	1096.0	1097.5
15°	1082.3	1083.6	1079.5	1083.6	1083.6
17.5°	1067.0	1065.7	1064.3	1067.0	1068.5
20°	1049.1	1049.1	1045.0	1047.8	1049.1
22.5°	1028.3	1028.3	1027.0	1028.3	1027.0
25°	1006.3	1004.9	1002.1	1003.6	1004.9
27.5°	980.1	980.1	977.3	977.3	975.9
30°	953.9	952.4	948.4	945.6	946.9
32.5°	922.1	920.7	916.6	913.9	915.2
35°	888.9	887.6	882.1	877.9	876.6
37.5°	855.9	851.7	844.7	839.2	833.7
40°	814.4	810.2	803.4	791.0	789.5
42.5°	773.0	768.9	757.8	742.7	738.5
45°	728.8	724.7	705.3	681.8	676.3
47.5°	681.8	675.0	644.6	615.6	604.6
50°	629.5	617.1	581.1	543.9	531.4
52.5°	578.4	556.3	509.4	476.2	463.9
55°	517.7	491.4	440.4	415.5	408.5
57.5°	463.9	427.9	386.5	361.7	356.2
60°	401.7	368.5	335.5	313.3	305.1
62.5°	345.1	316.1	288.5	269.1	259.6
65°	291.3	267.8	245.8	226.4	219.6
67.5°	238.8	226.4	208.4	193.3	189.1
70°	194.6	187.7	175.4	168.4	162.9
72.5°	154.6	157.4	149.1	146.4	142.2
75°	124.2	125.6	126.9	122.9	120.1
77.5°	93.9	100.7	106.2	103.5	100.7
80°	70.4	77.2	87.0	82.9	82.9
82.5°	48.3	56.7	64.9	62.2	60.7
85°	27.7	35.9	44.2	41.4	38.7
87.5°	11.0	18.0	19.3	19.3	18.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)