

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: P1050377

Luminaire Tested: PTR-14-30-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PR1-L850-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

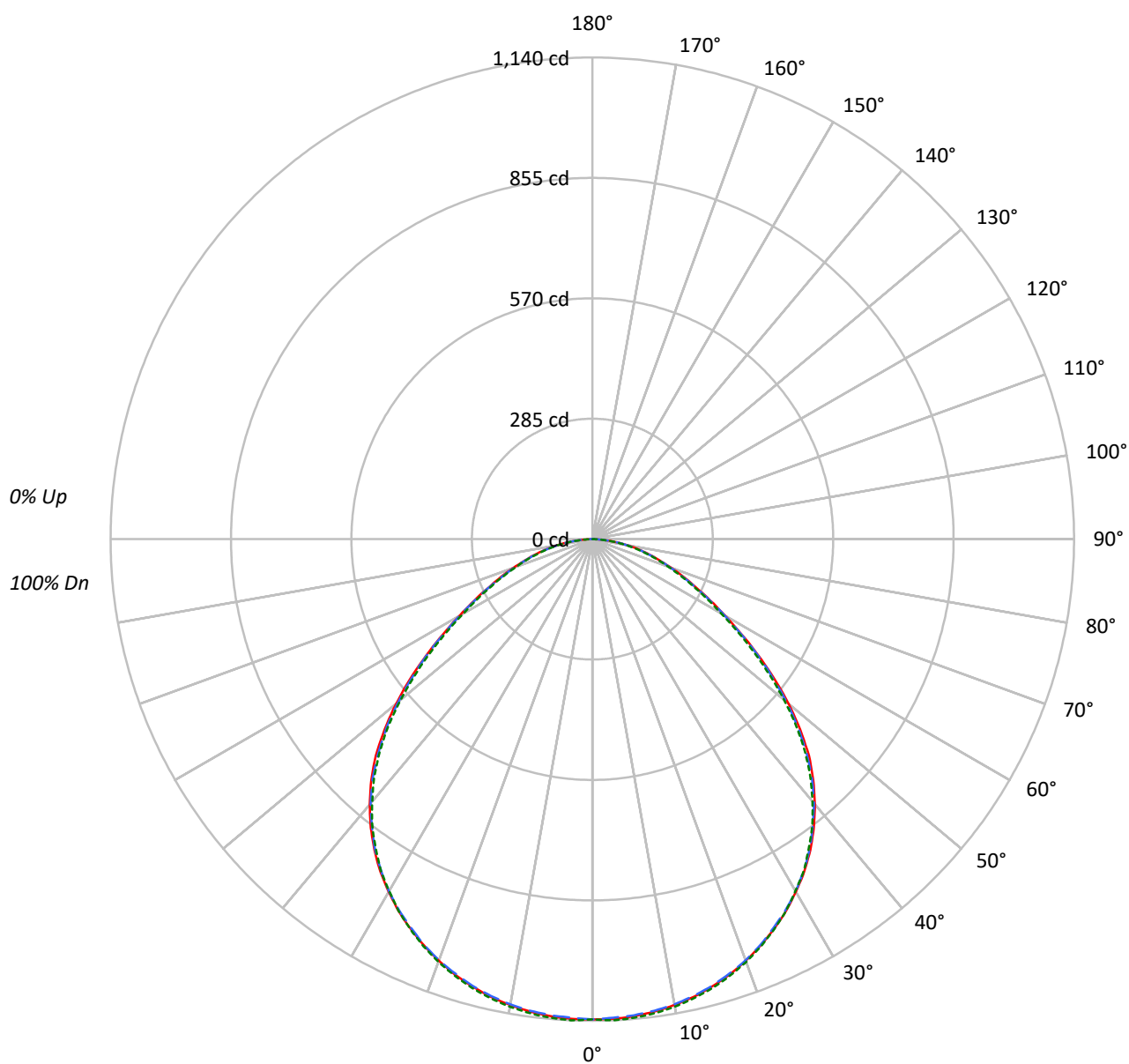
Lumens per Lamp: N/A
Luminaire Lumens: 2875.2 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3059	3059	3059
5°	3062	3055	3072
10°	3060	3054	3071
15°	3054	3049	3064
20°	3041	3038	3049
25°	3021	3014	3025
30°	2994	2991	2987
35°	2953	2946	2934
40°	2879	2867	2847
45°	2759	2727	2708
50°	2538	2510	2479
55°	2246	2236	2193
60°	1952	1945	1892
65°	1720	1710	1676
70°	1561	1539	1507
75°	1445	1412	1385
80°	1319	1300	1257
85°	1044	1034	991

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2759 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.8
10°-20°	309.5	10.8
20°-30°	468.9	16.3
30°-40°	559.8	19.5
40°-50°	550.5	19.1
50°-60°	425.5	14.8
60°-70°	268.3	9.3
70°-80°	145.1	5.0
80°-90°	39.7	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°	886.3	30.8
0°-40°	1446.1	50.3
0°-60°	2422.1	84.2
0°-90°	2875.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1134	1134	1131	1136	1137	108
15°	1096	1096	1095	1098	1100	309
25°	1018	1018	1015	1018	1019	469
35°	899	899	897	896	893	561
45°	725	722	717	711	712	555
55°	479	483	477	469	467	430
65°	270	271	269	264	263	272
75°	139	137	136	136	133	148
85°	34	34	34	34	32	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1136.9	1136.9	1136.9	1136.9	1136.9
2.5°	1136.5	1136.9	1133.6	1139.0	1140.2
5°	1133.6	1134.1	1131.1	1136.0	1137.3
7.5°	1127.9	1128.8	1125.9	1130.8	1132.0
10°	1119.7	1120.6	1117.8	1122.7	1123.9
12.5°	1109.7	1110.0	1107.6	1112.0	1113.2
15°	1096.2	1096.5	1094.6	1098.1	1099.7
17.5°	1080.6	1081.1	1078.3	1082.7	1083.5
20°	1062.0	1062.3	1060.7	1064.4	1064.8
22.5°	1041.1	1042.0	1039.5	1042.7	1043.2
25°	1017.6	1018.3	1015.0	1018.3	1018.8
27.5°	992.7	993.0	990.2	992.7	992.2
30°	963.7	966.2	962.5	961.6	961.3
32.5°	933.6	933.9	930.4	929.5	931.1
35°	899.0	899.3	896.9	895.7	893.2
37.5°	861.1	861.1	856.5	855.7	855.3
40°	819.5	819.0	816.2	813.4	810.4
42.5°	774.2	775.1	769.3	764.4	763.7
45°	724.9	722.1	716.7	711.1	711.5
47.5°	666.7	667.4	660.2	655.6	654.4
50°	606.3	606.3	599.5	594.6	592.1
52.5°	543.2	543.6	537.1	530.6	529.3
55°	478.8	482.8	476.7	469.0	467.4
57.5°	418.5	421.8	416.0	407.9	407.4
60°	362.7	363.0	361.4	353.7	351.6
62.5°	315.1	313.0	312.1	308.1	305.6
65°	270.2	270.6	268.6	264.0	263.2
67.5°	233.9	233.5	229.8	227.0	225.3
70°	198.4	197.2	195.6	193.2	191.6
72.5°	166.7	166.7	165.4	164.6	161.8
75°	139.0	137.4	135.8	136.5	133.2
77.5°	112.5	110.9	109.6	107.9	107.2
80°	85.1	83.5	83.9	81.4	81.1
82.5°	59.1	59.1	58.3	56.3	56.7
85°	33.8	34.2	33.5	33.8	32.1
87.5°	12.3	12.6	13.5	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)