

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: P1050273

Luminaire Tested: PTR-14-30-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PLG-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

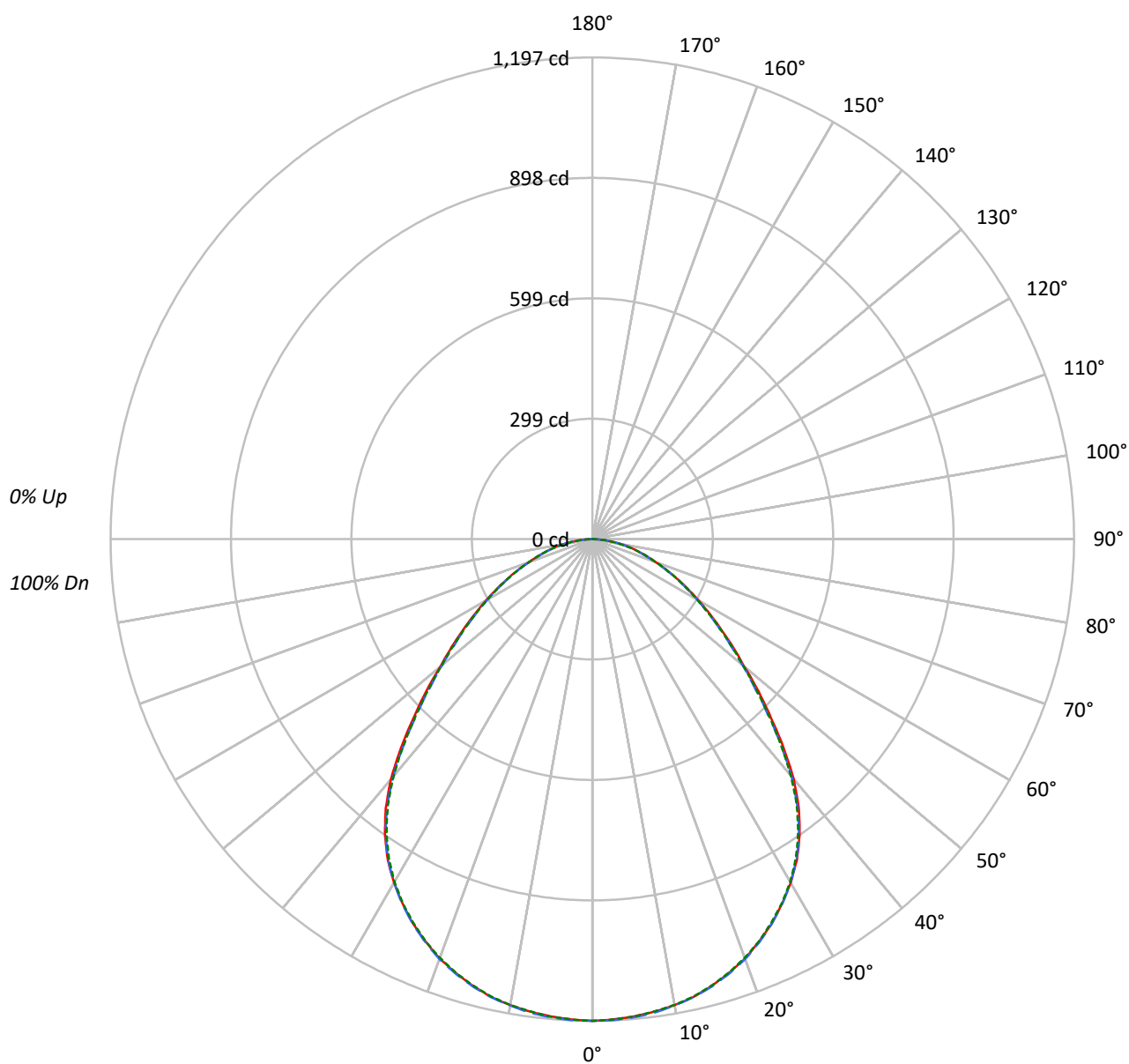
Lumens per Lamp: N/A
Luminaire Lumens: 2697.7 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050273

CATALOG NUMBER: PTR-14-30-PLG-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050273

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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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3222	3222	3222
5°	3216	3223	3218
10°	3213	3216	3211
15°	3200	3205	3198
20°	3176	3180	3171
25°	3131	3133	3123
30°	3063	3063	3055
35°	2950	2942	2928
40°	2734	2704	2695
45°	2390	2351	2361
50°	2063	2038	2049
55°	1834	1806	1810
60°	1641	1619	1619
65°	1472	1461	1466
70°	1323	1310	1323
75°	1228	1210	1228
80°	1145	1133	1093
85°	969	969	865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2390 cd/sqm

TEST NUMBER: P1050273

CATALOG NUMBER: PTR-14-30-PLG-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	4.2
10°-20°	324.3	12.0
20°-30°	485.3	18.0
30°-40°	556.0	20.6
40°-50°	480.9	17.8
50°-60°	348.0	12.9
60°-70°	229.2	8.5
70°-80°	124.8	4.6
80°-90°	35.8	1.3
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°	923.0	34.2
0°-40°	1479.0	54.8
0°-60°	2307.9	85.6
0°-90°	2697.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2697.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1190	1193	1193	1193	1191	113
15°	1149	1150	1150	1152	1148	324
25°	1054	1054	1055	1056	1052	485
35°	898	897	896	895	891	558
45°	628	626	618	617	620	486
55°	391	389	385	382	386	352
65°	231	233	229	228	230	231
75°	118	118	116	116	118	126
85°	31	31	31	32	28	36
90°	0	0	0	0	0	

TEST NUMBER: P1050273

CATALOG NUMBER: PTR-14-30-PLG-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.2	1197.2	1197.2	1197.2	1197.2
2.5°	1194.7	1197.2	1196.4	1197.2	1194.7
5°	1190.4	1193.0	1193.0	1193.0	1191.3
7.5°	1184.5	1186.2	1187.0	1187.9	1183.6
10°	1176.0	1177.7	1176.8	1178.5	1175.1
12.5°	1164.9	1164.9	1165.8	1167.5	1164.1
15°	1148.8	1149.6	1150.5	1152.2	1147.9
17.5°	1130.1	1130.9	1131.8	1132.6	1129.2
20°	1108.9	1108.9	1110.6	1111.4	1107.2
22.5°	1082.5	1082.5	1084.2	1086.8	1081.7
25°	1054.5	1054.5	1055.3	1056.2	1051.9
27.5°	1021.3	1021.3	1022.2	1024.7	1019.6
30°	985.6	984.8	985.6	986.5	983.1
32.5°	945.7	944.9	944.0	944.9	940.6
35°	898.1	897.3	895.6	894.7	891.3
37.5°	842.9	841.2	837.8	837.8	834.4
40°	778.3	774.1	769.8	768.1	767.3
42.5°	703.5	700.2	694.2	693.4	693.4
45°	627.9	626.2	617.7	616.9	620.3
47.5°	560.0	555.7	548.1	546.4	551.5
50°	492.8	493.7	486.9	484.3	489.4
52.5°	440.1	438.4	432.5	430.8	435.0
55°	390.9	389.2	384.9	382.4	385.8
57.5°	345.8	345.0	340.7	339.9	341.6
60°	305.0	304.2	300.8	299.9	300.8
62.5°	266.8	266.8	263.4	261.7	264.3
65°	231.1	232.8	229.4	227.7	230.3
67.5°	198.8	200.5	197.1	195.4	198.8
70°	168.2	169.9	166.5	164.8	168.2
72.5°	141.9	142.7	140.2	139.4	143.6
75°	118.1	118.1	116.4	116.4	118.1
77.5°	96.0	95.2	94.3	94.3	92.6
80°	73.9	73.1	73.1	73.1	70.5
82.5°	52.7	51.0	51.8	52.7	48.4
85°	31.4	31.4	31.4	32.3	28.0
87.5°	12.7	12.7	11.9	12.7	11.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)