

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: P1050272

Luminaire Tested: PTR-14-20-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050272
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-14-20-PLG-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

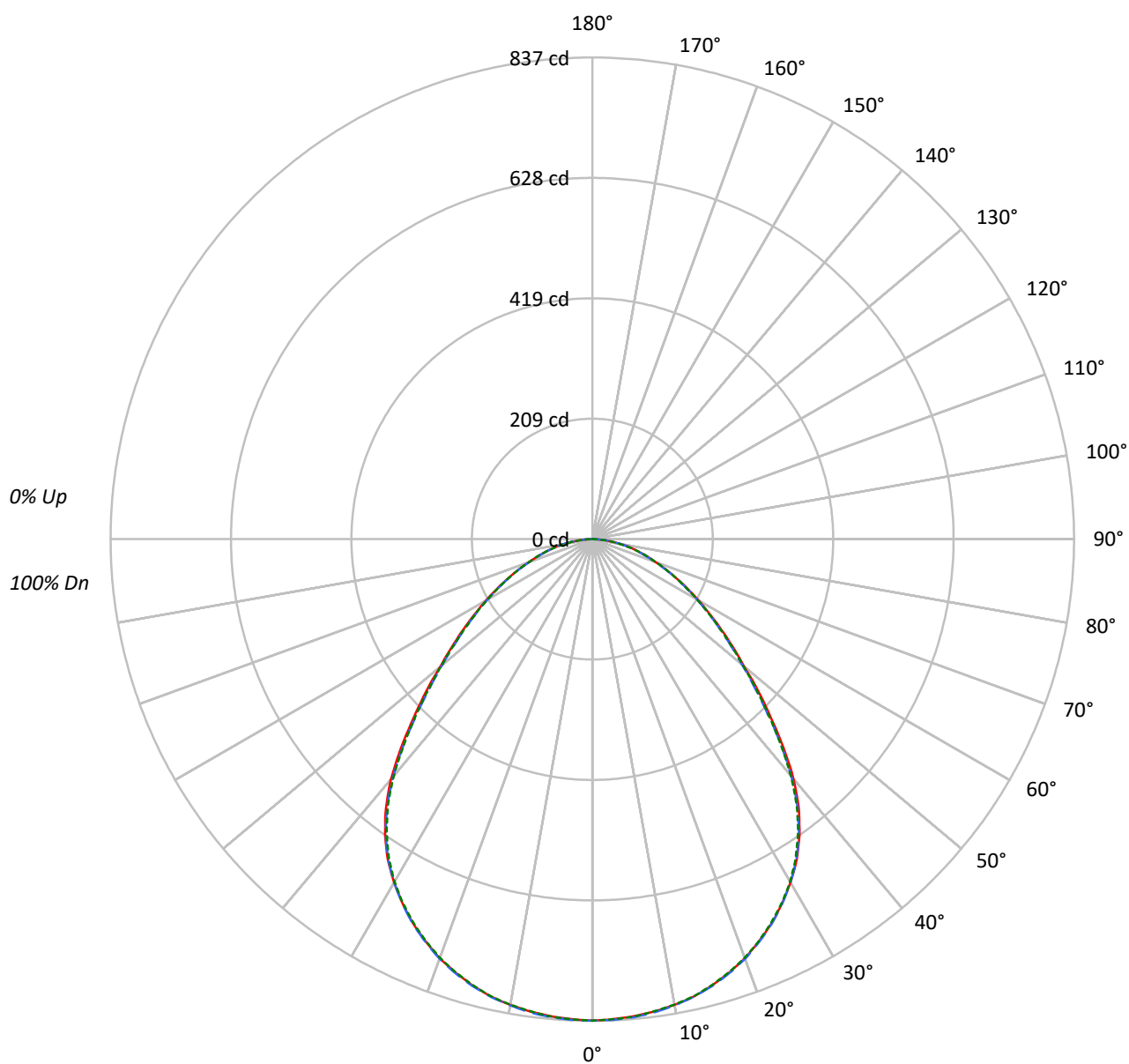
Lumens per Lamp: N/A
Luminaire Lumens: 1885.6 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1050272

CATALOG NUMBER: PTR-14-20-PLG-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050272

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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°	2252	2252	2252
5°	2248	2252	2249
10°	2246	2248	2244
15°	2237	2240	2235
20°	2220	2223	2216
25°	2188	2190	2183
30°	2141	2141	2135
35°	2062	2056	2047
40°	1911	1890	1884
45°	1670	1643	1650
50°	1442	1425	1432
55°	1282	1262	1265
60°	1147	1131	1131
65°	1028	1021	1025
70°	925	916	925
75°	859	846	859
80°	801	792	764
85°	679	679	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1670 cd/sqm

TEST NUMBER: P1050272

CATALOG NUMBER: PTR-14-20-PLG-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	4.2
10°-20°	226.7	12.0
20°-30°	339.2	18.0
30°-40°	388.6	20.6
40°-50°	336.1	17.8
50°-60°	243.3	12.9
60°-70°	160.2	8.5
70°-80°	87.2	4.6
80°-90°	25.0	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°	645.1	34.2
0°-40°	1033.8	54.8
0°-60°	1613.2	85.6
0°-90°	1885.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1885.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	832	834	834	834	833	79
15°	803	804	804	805	802	226
25°	737	737	738	738	735	339
35°	628	627	626	625	623	390
45°	439	438	432	431	434	340
55°	273	272	269	267	270	246
65°	162	163	160	159	161	161
75°	83	83	81	81	83	88
85°	22	22	22	23	20	25
90°	0	0	0	0	0	

TEST NUMBER: P1050272

CATALOG NUMBER: PTR-14-20-PLG-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.8	836.8	836.8	836.8	836.8
2.5°	835.0	836.8	836.2	836.8	835.0
5°	832.1	833.8	833.8	833.8	832.7
7.5°	827.9	829.1	829.7	830.3	827.3
10°	822.0	823.2	822.6	823.8	821.4
12.5°	814.2	814.2	814.8	816.0	813.7
15°	803.0	803.6	804.2	805.3	802.4
17.5°	789.9	790.5	791.1	791.7	789.3
20°	775.1	775.1	776.2	776.8	773.9
22.5°	756.6	756.6	757.8	759.6	756.0
25°	737.0	737.0	737.6	738.2	735.3
27.5°	713.9	713.9	714.5	716.3	712.7
30°	688.9	688.3	688.9	689.5	687.2
32.5°	661.0	660.4	659.8	660.4	657.5
35°	627.8	627.2	626.0	625.4	623.0
37.5°	589.2	588.0	585.6	585.6	583.2
40°	544.0	541.1	538.1	536.9	536.3
42.5°	491.8	489.4	485.2	484.6	484.6
45°	438.9	437.7	431.8	431.2	433.6
47.5°	391.4	388.4	383.1	381.9	385.4
50°	344.5	345.1	340.3	338.5	342.1
52.5°	307.6	306.5	302.3	301.1	304.1
55°	273.2	272.0	269.0	267.3	269.6
57.5°	241.7	241.1	238.2	237.6	238.8
60°	213.2	212.6	210.2	209.6	210.2
62.5°	186.5	186.5	184.1	182.9	184.7
65°	161.5	162.7	160.4	159.2	160.9
67.5°	139.0	140.2	137.8	136.6	139.0
70°	117.6	118.8	116.4	115.2	117.6
72.5°	99.2	99.8	98.0	97.4	100.4
75°	82.6	82.6	81.4	81.4	82.6
77.5°	67.1	66.5	65.9	65.9	64.7
80°	51.7	51.1	51.1	51.1	49.3
82.5°	36.8	35.6	36.2	36.8	33.9
85°	22.0	22.0	22.0	22.6	19.6
87.5°	8.9	8.9	8.3	8.9	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)