

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: P1050291

Luminaire Tested: PTR-14-80-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050291
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-14-80-PLG-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

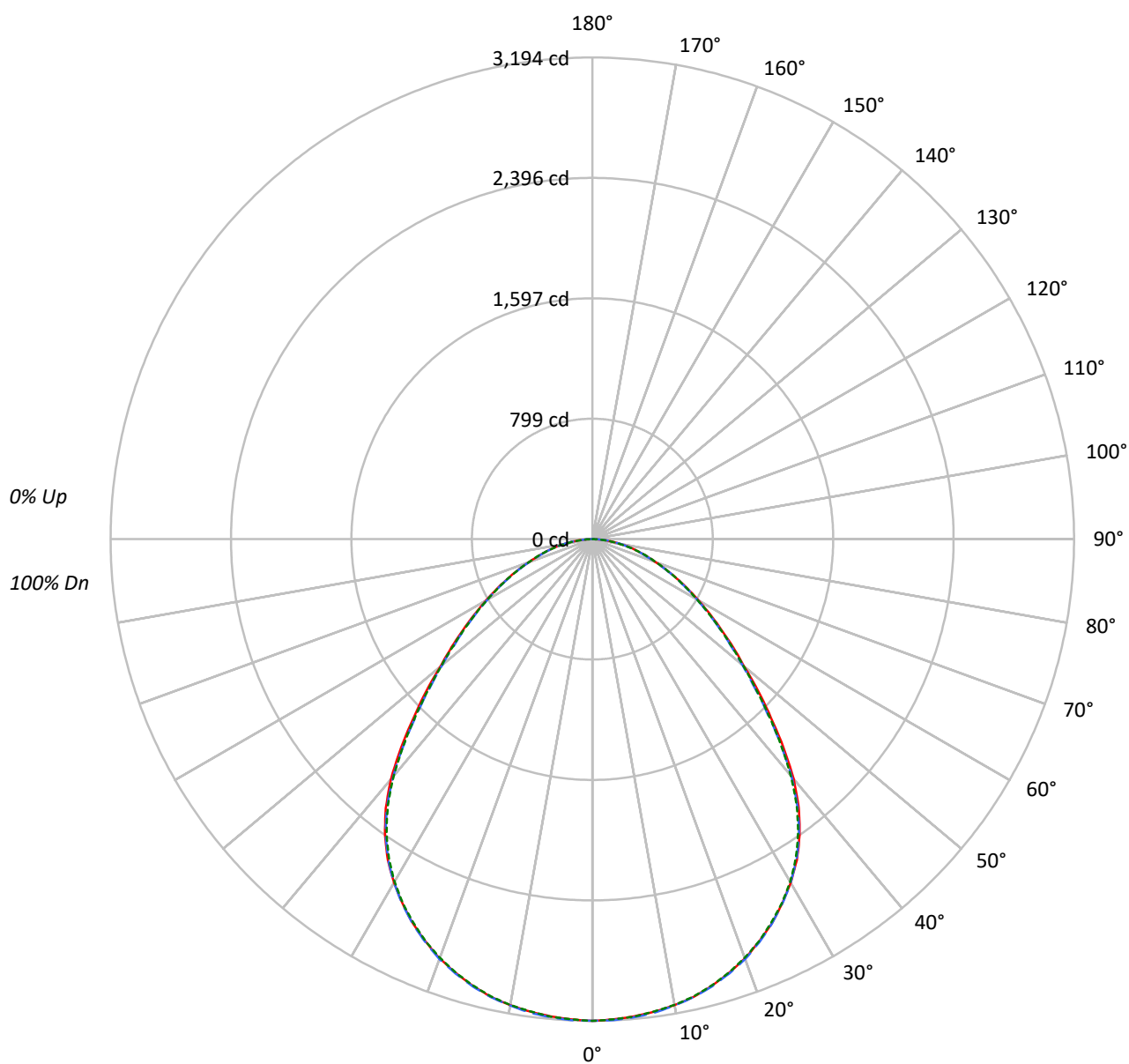
Lumens per Lamp: N/A
Luminaire Lumens: 7198.2 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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: P1050291

CATALOG NUMBER: PTR-14-80-PLG-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050291

CATALOG NUMBER: PTR-14-80-PLG-L835-UNV-STD-W

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	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8596	8596	8596
5°	8580	8599	8586
10°	8574	8580	8568
15°	8540	8552	8533
20°	8473	8486	8460
25°	8354	8361	8334
30°	8172	8172	8151
35°	7873	7850	7813
40°	7295	7216	7192
45°	6376	6273	6299
50°	5505	5439	5467
55°	4893	4819	4829
60°	4380	4320	4320
65°	3927	3898	3912
70°	3532	3496	3532
75°	3276	3229	3276
80°	3056	3022	2916
85°	2590	2590	2309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6376 cd/sqm

TEST NUMBER: P1050291

CATALOG NUMBER: PTR-14-80-PLG-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.4	4.2
10°-20°	865.4	12.0
20°-30°	1294.9	18.0
30°-40°	1483.6	20.6
40°-50°	1283.1	17.8
50°-60°	928.6	12.9
60°-70°	611.7	8.5
70°-80°	332.9	4.6
80°-90°	95.4	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°	2462.8	34.2
0°-40°	3946.4	54.8
0°-60°	6158.2	85.6
0°-90°	7198.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7198.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3194	3194	3194	3194	3194	
5°	3176	3183	3183	3183	3179	302
15°	3065	3068	3070	3074	3063	865
25°	2814	2814	2816	2818	2807	1294
35°	2396	2394	2390	2387	2378	1489
45°	1676	1671	1648	1646	1655	1297
55°	1043	1038	1027	1020	1029	939
65°	617	621	612	608	614	616
75°	315	315	311	311	315	336
85°	84	84	84	86	75	97
90°	0	0	0	0	0	

TEST NUMBER: P1050291

CATALOG NUMBER: PTR-14-80-PLG-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3194.5	3194.5	3194.5	3194.5	3194.5
2.5°	3187.7	3194.5	3192.3	3194.5	3187.7
5°	3176.4	3183.2	3183.2	3183.2	3178.7
7.5°	3160.5	3165.0	3167.3	3169.6	3158.2
10°	3137.8	3142.4	3140.1	3144.6	3135.6
12.5°	3108.4	3108.4	3110.6	3115.2	3106.1
15°	3065.3	3067.6	3069.8	3074.4	3063.0
17.5°	3015.4	3017.7	3019.9	3022.2	3013.1
20°	2958.7	2958.7	2963.3	2965.5	2954.2
22.5°	2888.4	2888.4	2893.0	2899.8	2886.2
25°	2813.6	2813.6	2815.9	2818.2	2806.8
27.5°	2725.2	2725.2	2727.5	2734.3	2720.7
30°	2630.0	2627.7	2630.0	2632.3	2623.2
32.5°	2523.4	2521.2	2518.9	2521.2	2509.8
35°	2396.5	2394.2	2389.7	2387.4	2378.3
37.5°	2249.1	2244.6	2235.5	2235.5	2226.4
40°	2076.8	2065.4	2054.1	2049.6	2047.3
42.5°	1877.3	1868.2	1852.3	1850.1	1850.1
45°	1675.5	1670.9	1648.3	1646.0	1655.1
47.5°	1494.1	1482.8	1462.4	1457.8	1471.4
50°	1315.0	1317.3	1299.1	1292.3	1305.9
52.5°	1174.4	1169.9	1154.0	1149.5	1160.8
55°	1042.9	1038.4	1027.1	1020.3	1029.3
57.5°	922.8	920.5	909.2	906.9	911.4
60°	813.9	811.7	802.6	800.3	802.6
62.5°	711.9	711.9	702.8	698.3	705.1
65°	616.7	621.2	612.2	607.6	614.4
67.5°	530.5	535.1	526.0	521.5	530.5
70°	448.9	453.4	444.4	439.8	448.9
72.5°	378.6	380.9	374.1	371.8	383.2
75°	315.1	315.1	310.6	310.6	315.1
77.5°	256.2	253.9	251.7	251.7	247.1
80°	197.2	195.0	195.0	195.0	188.2
82.5°	140.6	136.0	138.3	140.6	129.2
85°	83.9	83.9	83.9	86.2	74.8
87.5°	34.0	34.0	31.7	34.0	29.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)