

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: P1050099

Luminaire Tested: PTR-14-80-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

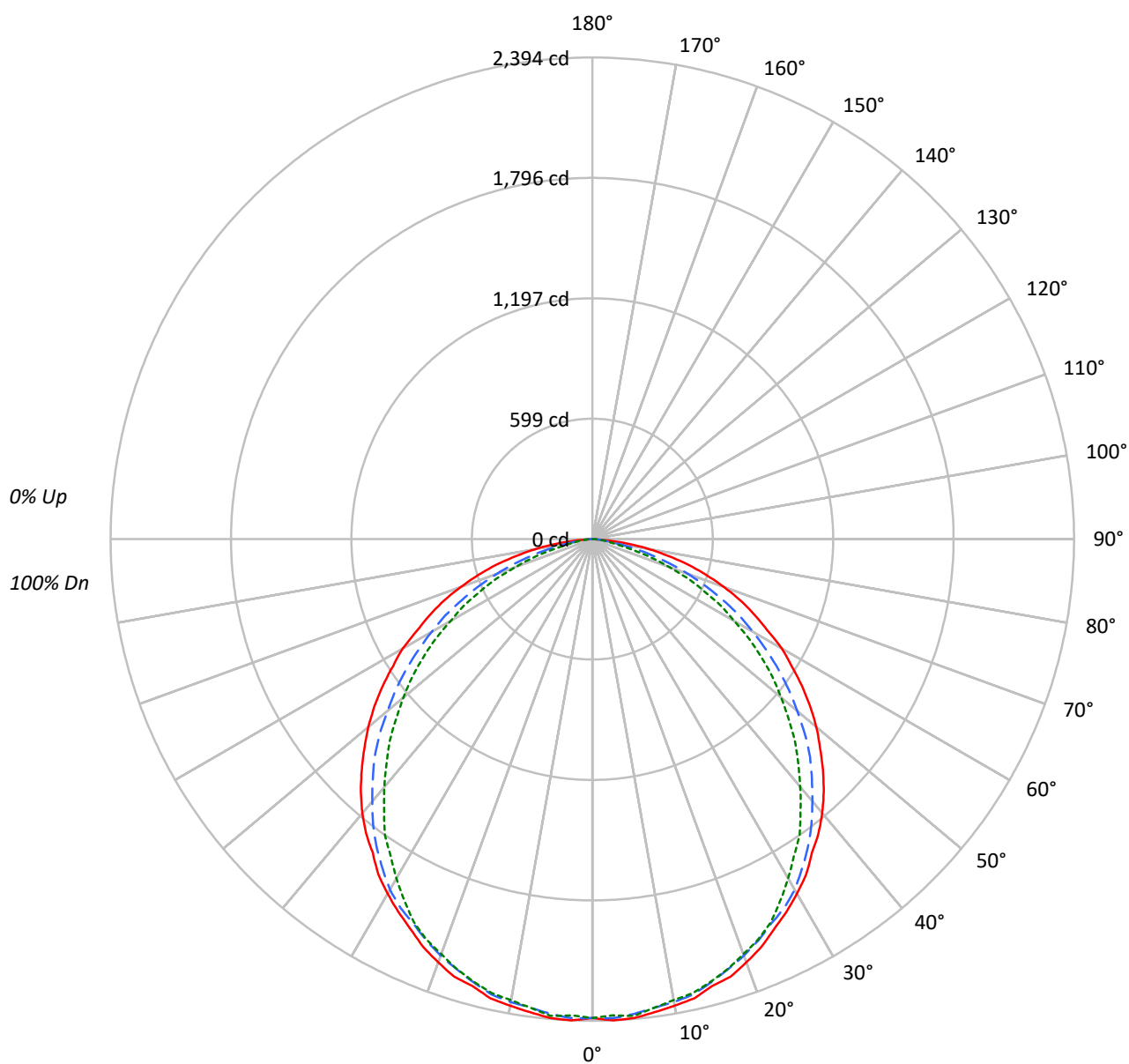
Lumens per Lamp: N/A
Luminaire Lumens: 6340.3 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050099

CATALOG NUMBER: PTR-14-80-L935-UNV-STD-W

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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6405	6405	6405
5°	6453	6399	6426
10°	6434	6384	6357
15°	6406	6355	6343
20°	6410	6309	6285
25°	6348	6255	6234
30°	6321	6251	6048
35°	6250	6138	5901
40°	6245	5976	5648
45°	6167	5821	5422
50°	6083	5561	5128
55°	5966	5301	4815
60°	5860	4959	4372
65°	5660	4550	3909
70°	5477	3960	3190
75°	5145	3124	2196
80°	4460	1889	1319
85°	2976	1355	1269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6167 cd/sqm

TEST NUMBER: P1050099

CATALOG NUMBER: PTR-14-80-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.6
10°-20°	645.6	10.2
20°-30°	975.3	15.4
30°-40°	1159.5	18.3
40°-50°	1176.0	18.5
50°-60°	1021.2	16.1
60°-70°	725.0	11.4
70°-80°	346.4	5.5
80°-90°	65.7	1.0
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°	1846.5	29.1
0°-40°	3006.1	47.4
0°-60°	5203.3	82.1
0°-90°	6340.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6340.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2380	2380	2380	2380	2380	
5°	2389	2380	2369	2375	2379	227
15°	2300	2305	2281	2278	2277	651
25°	2138	2135	2107	2115	2100	987
35°	1902	1900	1868	1805	1796	1195
45°	1620	1606	1530	1449	1425	1250
55°	1272	1233	1130	1063	1026	1136
65°	889	822	714	638	614	880
75°	495	404	300	238	211	519
85°	96	51	44	42	41	122
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2380.3	2380.3	2380.3	2380.3	2380.3
2.5°	2394.5	2386.0	2383.1	2393.1	2369.0
5°	2388.8	2380.3	2369.0	2374.6	2378.9
7.5°	2371.8	2364.7	2349.1	2361.9	2349.1
10°	2354.8	2347.7	2336.3	2340.6	2326.4
12.5°	2337.8	2320.8	2317.9	2320.8	2310.8
15°	2299.5	2305.2	2281.1	2278.2	2276.8
17.5°	2281.1	2266.9	2241.4	2242.8	2239.9
20°	2238.5	2221.5	2203.1	2200.2	2194.6
22.5°	2194.6	2174.7	2157.7	2166.2	2153.5
25°	2137.9	2135.0	2106.7	2115.2	2099.6
27.5°	2088.3	2078.3	2065.6	2047.1	2024.5
30°	2034.4	2024.5	2011.7	1963.5	1946.5
32.5°	1977.7	1966.3	1940.8	1884.1	1865.7
35°	1902.5	1899.7	1868.5	1804.7	1796.2
37.5°	1845.8	1814.6	1789.1	1723.9	1699.8
40°	1777.8	1760.8	1701.2	1638.8	1607.7
42.5°	1702.6	1682.8	1614.7	1548.1	1514.1
45°	1620.4	1606.2	1529.7	1448.9	1424.8
47.5°	1535.4	1522.6	1431.9	1353.9	1322.7
50°	1453.1	1437.5	1328.4	1253.2	1224.9
52.5°	1363.8	1338.3	1230.6	1156.8	1129.9
55°	1271.7	1233.4	1129.9	1063.3	1026.4
57.5°	1173.8	1138.4	1023.6	954.1	924.3
60°	1088.8	1039.2	921.5	850.6	812.3
62.5°	979.6	937.1	825.1	741.5	723.0
65°	888.9	822.3	714.5	638.0	613.9
67.5°	796.7	718.8	609.6	531.6	518.9
70°	696.1	615.3	503.3	426.7	405.5
72.5°	594.0	514.6	405.5	324.7	311.9
75°	494.8	404.0	300.5	238.2	211.2
77.5°	387.0	304.8	211.2	146.0	129.0
80°	287.8	205.6	121.9	86.5	85.1
82.5°	188.6	119.1	65.2	66.6	63.8
85°	96.4	51.0	43.9	42.5	41.1
87.5°	18.4	19.8	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)