

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: P1050393

Luminaire Tested: PTR-14-80-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050393
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-14-80-PR1-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

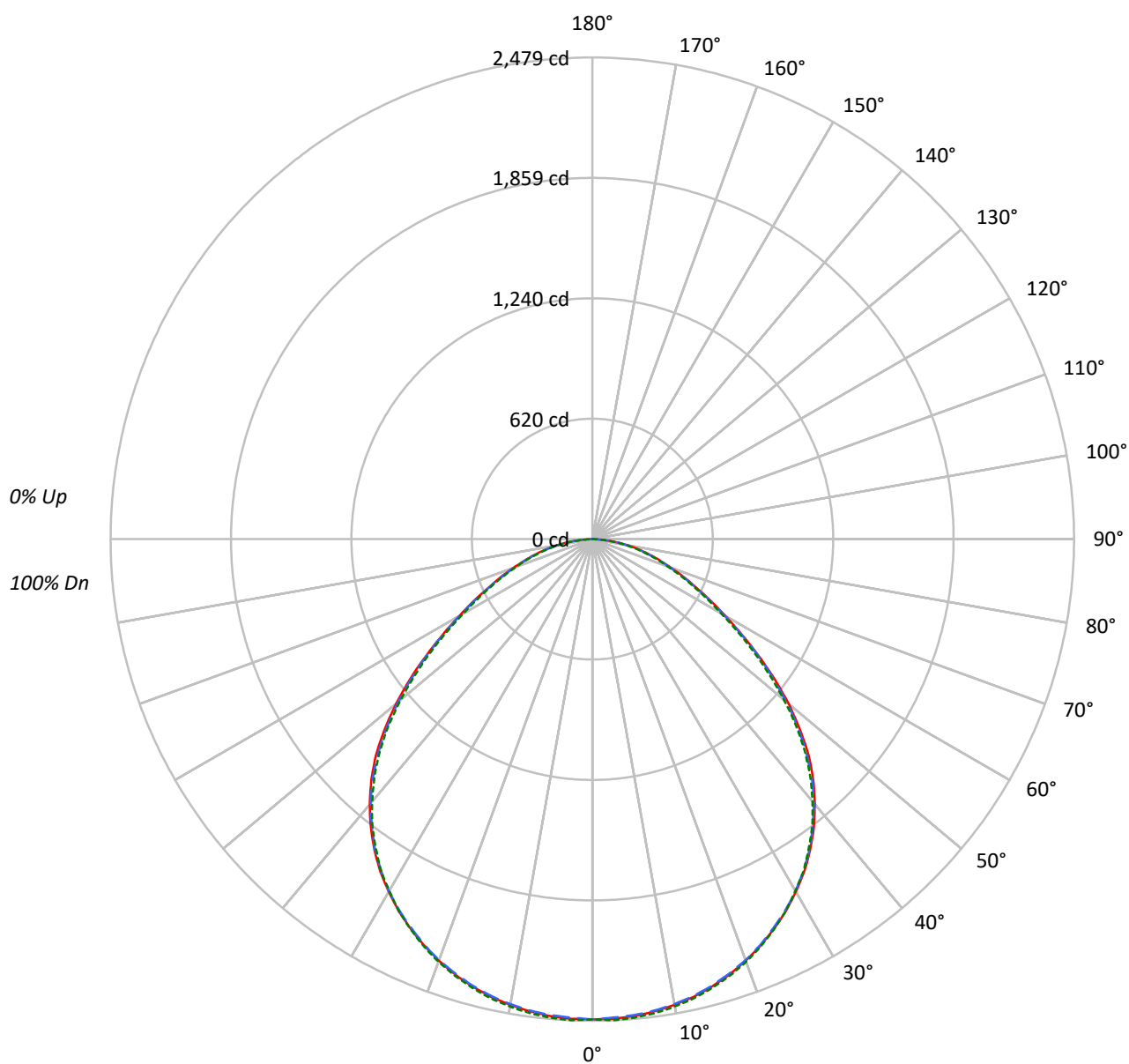
Lumens per Lamp: N/A
Luminaire Lumens: 6250.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050393

CATALOG NUMBER: PTR-14-80-PR1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050393

CATALOG NUMBER: PTR-14-80-PR1-L935-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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6651	6651	6651
5°	6657	6642	6679
10°	6651	6640	6676
15°	6639	6629	6661
20°	6611	6603	6629
25°	6568	6552	6576
30°	6510	6502	6494
35°	6420	6405	6379
40°	6258	6233	6189
45°	5997	5930	5887
50°	5518	5456	5388
55°	4883	4862	4767
60°	4244	4229	4114
65°	3740	3718	3644
70°	3393	3345	3277
75°	3142	3068	3012
80°	2868	2828	2734
85°	2266	2245	2155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5997 cd/sqm

TEST NUMBER: P1050393

CATALOG NUMBER: PTR-14-80-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	3.8
10°-20°	672.9	10.8
20°-30°	1019.4	16.3
30°-40°	1217.0	19.5
40°-50°	1196.8	19.1
50°-60°	925.0	14.8
60°-70°	583.3	9.3
70°-80°	315.5	5.0
80°-90°	86.2	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°	1926.8	30.8
0°-40°	3143.8	50.3
0°-60°	5265.6	84.2
0°-90°	6250.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6250.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2472	2472	2472	2472	2472	
5°	2464	2465	2459	2470	2472	234
15°	2383	2384	2380	2387	2391	673
25°	2212	2214	2207	2214	2215	1020
35°	1954	1955	1950	1947	1942	1220
45°	1576	1570	1558	1546	1547	1207
55°	1041	1050	1036	1020	1016	934
65°	587	588	584	574	572	591
75°	302	299	295	297	290	321
85°	73	74	73	73	70	87
90°	0	0	0	0	0	

TEST NUMBER: P1050393

CATALOG NUMBER: PTR-14-80-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2471.6	2471.6	2471.6	2471.6	2471.6
2.5°	2470.6	2471.6	2464.5	2476.1	2478.6
5°	2464.5	2465.4	2459.0	2469.6	2472.5
7.5°	2451.9	2453.9	2447.7	2458.4	2460.9
10°	2434.2	2436.2	2430.0	2440.7	2443.2
12.5°	2412.3	2413.0	2407.8	2417.5	2420.1
15°	2383.1	2383.7	2379.5	2387.2	2390.8
17.5°	2349.3	2350.2	2344.1	2353.8	2355.4
20°	2308.7	2309.3	2305.8	2313.9	2314.8
22.5°	2263.3	2265.3	2259.8	2266.9	2267.8
25°	2212.1	2213.8	2206.7	2213.8	2214.7
27.5°	2158.1	2158.7	2152.6	2158.1	2157.1
30°	2095.0	2100.5	2092.4	2090.5	2089.8
32.5°	2029.7	2030.3	2022.6	2020.6	2024.2
35°	1954.3	1955.0	1949.8	1947.3	1941.8
37.5°	1871.9	1871.9	1862.0	1860.4	1859.4
40°	1781.5	1780.5	1774.4	1768.3	1761.9
42.5°	1683.0	1684.9	1672.4	1661.8	1660.2
45°	1575.8	1569.7	1558.1	1545.9	1546.9
47.5°	1449.3	1450.9	1435.2	1425.2	1422.6
50°	1318.0	1318.0	1303.2	1292.6	1287.1
52.5°	1180.9	1181.9	1167.7	1153.5	1150.7
55°	1040.9	1049.6	1036.4	1019.7	1016.1
57.5°	909.9	917.0	904.4	886.7	885.8
60°	788.6	789.2	785.7	768.9	764.4
62.5°	684.9	680.4	678.5	669.8	664.3
65°	587.4	588.4	583.9	573.9	572.3
67.5°	508.5	507.6	499.5	493.4	489.9
70°	431.3	428.7	425.2	420.0	416.5
72.5°	362.4	362.4	359.5	357.9	351.8
75°	302.2	298.7	295.1	296.8	289.7
77.5°	244.6	241.1	238.2	234.6	233.0
80°	185.1	181.5	182.5	177.0	176.4
82.5°	128.4	128.4	126.8	122.3	123.3
85°	73.4	74.3	72.7	73.4	69.8
87.5°	26.7	27.4	29.3	27.4	27.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)