

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: P1050343

Luminaire Tested: PTR-14-80-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PP3-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

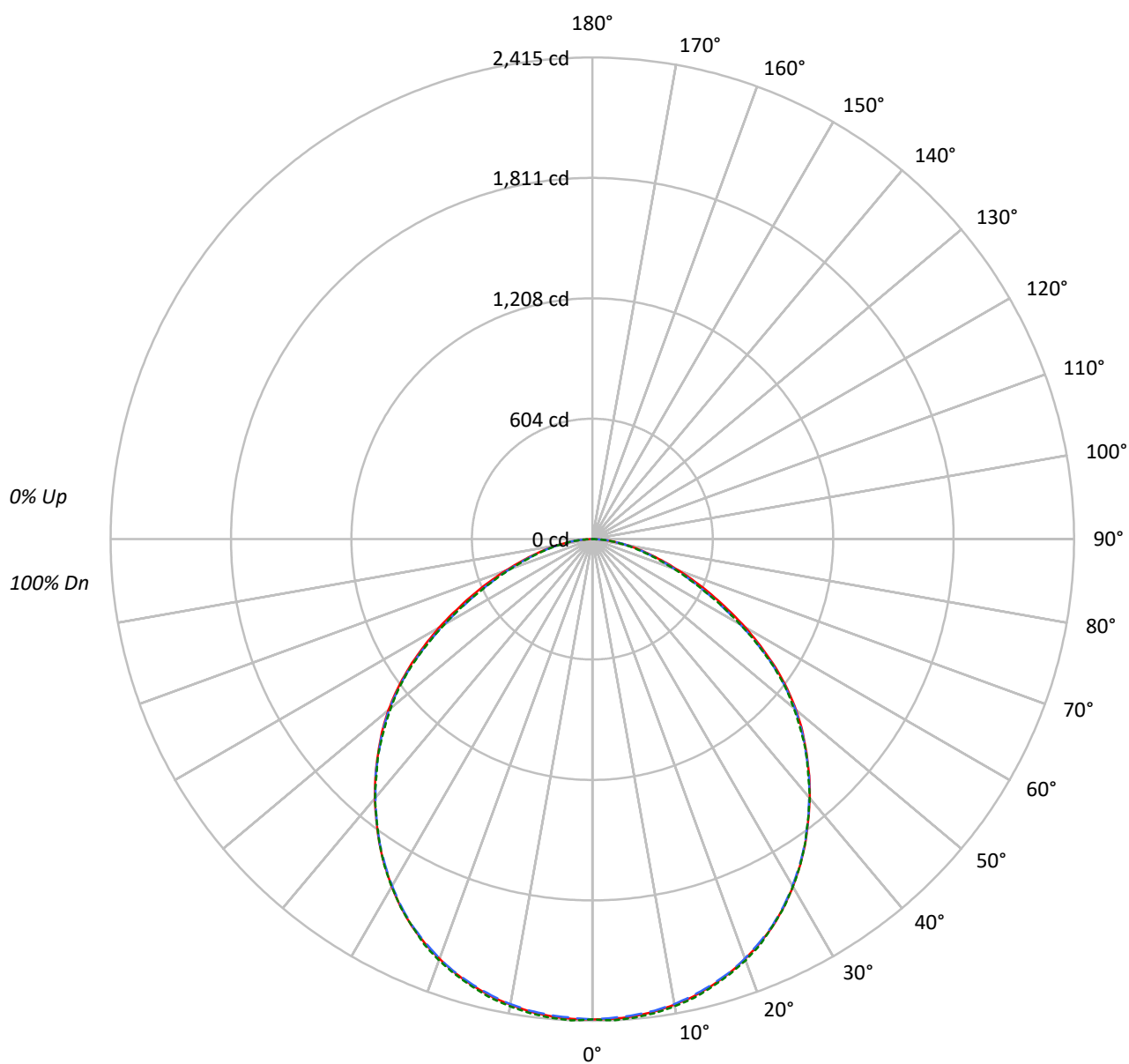
Lumens per Lamp: N/A
Luminaire Lumens: 6222.7 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	99	96	93	95	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	74	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	63	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	55	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	48	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	42	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	38	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6481	6481	6481
5°	6487	6472	6507
10°	6478	6468	6499
15°	6457	6444	6473
20°	6414	6408	6436
25°	6357	6346	6354
30°	6250	6237	6250
35°	6114	6106	6111
40°	5957	5938	5954
45°	5778	5761	5769
50°	5585	5559	5519
55°	5258	5196	5180
60°	4772	4611	4619
65°	4191	3980	3975
70°	3624	3459	3419
75°	3134	3018	2953
80°	2777	2737	2614
85°	2294	2374	2235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5799 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	3.7
10°-20°	654.3	10.5
20°-30°	985.1	15.8
30°-40°	1162.7	18.7
40°-50°	1169.3	18.8
50°-60°	987.2	15.9
60°-70°	634.0	10.2
70°-80°	315.3	5.1
80°-90°	86.4	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°	1867.8	30.0
0°-40°	3030.5	48.7
0°-60°	5187.0	83.4
0°-90°	6222.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6222.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2401	2402	2396	2407	2409	228
15°	2318	2318	2313	2324	2324	654
25°	2141	2142	2137	2142	2140	985
35°	1861	1862	1859	1860	1860	1163
45°	1518	1524	1514	1516	1516	1172
55°	1121	1120	1108	1103	1104	997
65°	658	649	625	619	624	656
75°	301	300	290	288	284	326
85°	74	77	77	72	72	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.4	2408.4	2408.4	2408.4	2408.4
2.5°	2407.4	2408.4	2402.0	2413.5	2415.4
5°	2401.4	2402.0	2396.0	2407.4	2409.0
7.5°	2389.0	2390.0	2384.6	2395.1	2397.0
10°	2370.6	2373.5	2367.1	2377.0	2378.5
12.5°	2348.0	2349.0	2342.6	2354.1	2356.0
15°	2317.6	2318.2	2313.1	2323.6	2323.6
17.5°	2282.3	2283.2	2279.8	2288.6	2287.7
20°	2239.7	2242.3	2237.8	2243.9	2247.4
22.5°	2193.4	2194.3	2188.9	2196.8	2200.3
25°	2140.9	2141.6	2137.4	2141.6	2140.0
27.5°	2079.6	2081.2	2075.2	2079.6	2080.6
30°	2011.3	2015.8	2007.2	2010.7	2011.3
32.5°	1938.0	1940.5	1934.5	1935.4	1939.9
35°	1861.1	1862.0	1858.6	1860.1	1860.1
37.5°	1778.2	1781.7	1776.3	1778.8	1775.3
40°	1695.9	1692.4	1690.5	1692.4	1695.0
42.5°	1609.2	1610.2	1607.6	1605.7	1601.6
45°	1518.4	1523.8	1513.9	1515.8	1515.8
47.5°	1429.4	1430.0	1425.0	1419.6	1416.1
50°	1334.1	1334.1	1327.8	1323.6	1318.2
52.5°	1229.9	1228.3	1221.4	1216.9	1219.4
55°	1120.7	1119.7	1107.6	1103.2	1104.1
57.5°	1000.9	1002.8	984.4	979.9	979.9
60°	886.6	877.7	856.7	850.7	858.3
62.5°	766.5	756.0	733.4	733.4	739.5
65°	658.2	648.6	625.1	618.8	624.2
67.5°	556.8	547.9	526.3	522.8	524.4
70°	460.6	453.0	439.6	431.7	434.5
72.5°	377.7	370.7	361.8	355.8	352.3
75°	301.4	299.9	290.3	287.5	284.0
77.5°	238.6	237.9	230.0	226.5	223.0
80°	179.2	178.2	176.6	171.2	168.7
82.5°	127.7	127.7	126.7	122.3	119.8
85°	74.3	76.9	76.9	72.4	72.4
87.5°	29.9	31.4	29.9	29.9	28.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)