

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: P1050098

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050098
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

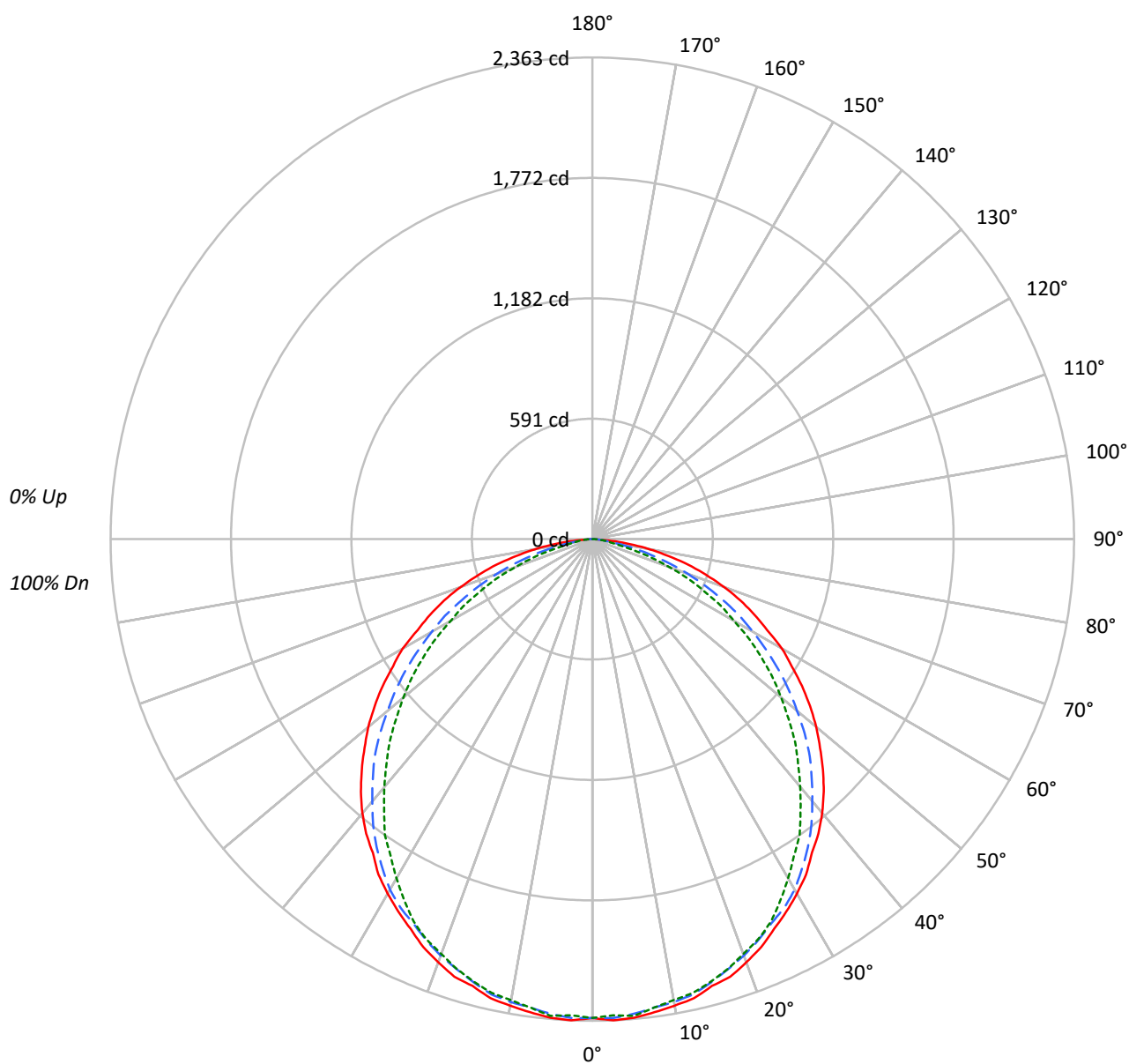
Lumens per Lamp: N/A
Luminaire Lumens: 6257.1 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050098

CATALOG NUMBER: PTR-14-80-L930-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°	6321	6321	6321
5°	6368	6315	6341
10°	6350	6300	6274
15°	6322	6271	6260
20°	6326	6226	6202
25°	6264	6173	6152
30°	6238	6169	5969
35°	6168	6058	5823
40°	6163	5898	5573
45°	6086	5745	5351
50°	6004	5488	5061
55°	5888	5232	4752
60°	5783	4894	4315
65°	5585	4490	3857
70°	5404	3908	3148
75°	5077	3084	2168
80°	4401	1864	1300
85°	2936	1340	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6086 cd/sqm

TEST NUMBER: P1050098

CATALOG NUMBER: PTR-14-80-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	3.6
10°-20°	637.2	10.2
20°-30°	962.5	15.4
30°-40°	1144.3	18.3
40°-50°	1160.6	18.5
50°-60°	1007.8	16.1
60°-70°	715.4	11.4
70°-80°	341.9	5.5
80°-90°	64.8	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°	1822.3	29.1
0°-40°	2966.6	47.4
0°-60°	5135.0	82.1
0°-90°	6257.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6257.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2349	2349	2349	2349	2349	
5°	2357	2349	2338	2344	2348	224
15°	2269	2275	2251	2248	2247	643
25°	2110	2107	2079	2087	2072	974
35°	1878	1875	1844	1781	1773	1180
45°	1599	1585	1510	1430	1406	1234
55°	1255	1217	1115	1049	1013	1121
65°	877	812	705	630	606	869
75°	488	399	297	235	208	512
85°	95	50	43	42	41	120
90°	0	0	0	0	0	

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CATALOG NUMBER: PTR-14-80-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2349.0	2349.0	2349.0	2349.0	2349.0
2.5°	2363.0	2354.6	2351.8	2361.6	2337.9
5°	2357.4	2349.0	2337.9	2343.5	2347.6
7.5°	2340.7	2333.7	2318.3	2330.9	2318.3
10°	2323.9	2316.9	2305.7	2309.9	2295.9
12.5°	2307.1	2290.3	2287.5	2290.3	2280.5
15°	2269.3	2274.9	2251.1	2248.3	2246.9
17.5°	2251.1	2237.1	2211.9	2213.3	2210.5
20°	2209.1	2192.4	2174.2	2171.4	2165.8
22.5°	2165.8	2146.2	2129.4	2137.8	2125.2
25°	2109.8	2107.0	2079.0	2087.4	2072.0
27.5°	2060.8	2051.0	2038.5	2020.3	1997.9
30°	2007.7	1997.9	1985.3	1937.7	1920.9
32.5°	1951.7	1940.5	1915.3	1859.4	1841.2
35°	1877.6	1874.8	1844.0	1781.0	1772.6
37.5°	1821.6	1790.8	1765.6	1701.3	1677.5
40°	1754.4	1737.7	1678.9	1617.3	1586.6
42.5°	1680.3	1660.7	1593.5	1527.8	1494.2
45°	1599.1	1585.2	1509.6	1429.9	1406.1
47.5°	1515.2	1502.6	1413.1	1336.1	1305.3
50°	1434.1	1418.7	1310.9	1236.8	1208.8
52.5°	1345.9	1320.7	1214.4	1141.6	1115.1
55°	1255.0	1217.2	1115.1	1049.3	1012.9
57.5°	1158.4	1123.5	1010.1	941.6	912.2
60°	1074.5	1025.5	909.4	839.4	801.7
62.5°	966.8	924.8	814.3	731.7	713.5
65°	877.2	811.5	705.1	629.6	605.8
67.5°	786.3	709.3	601.6	524.7	512.1
70°	686.9	607.2	496.7	421.1	400.1
72.5°	586.2	507.9	400.1	320.4	307.8
75°	488.3	398.7	296.6	235.0	208.5
77.5°	381.9	300.8	208.5	144.1	127.3
80°	284.0	202.9	120.3	85.3	83.9
82.5°	186.1	117.5	64.4	65.8	63.0
85°	95.1	50.4	43.4	42.0	40.6
87.5°	18.2	19.6	21.0	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)