

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: P1050294

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050294
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

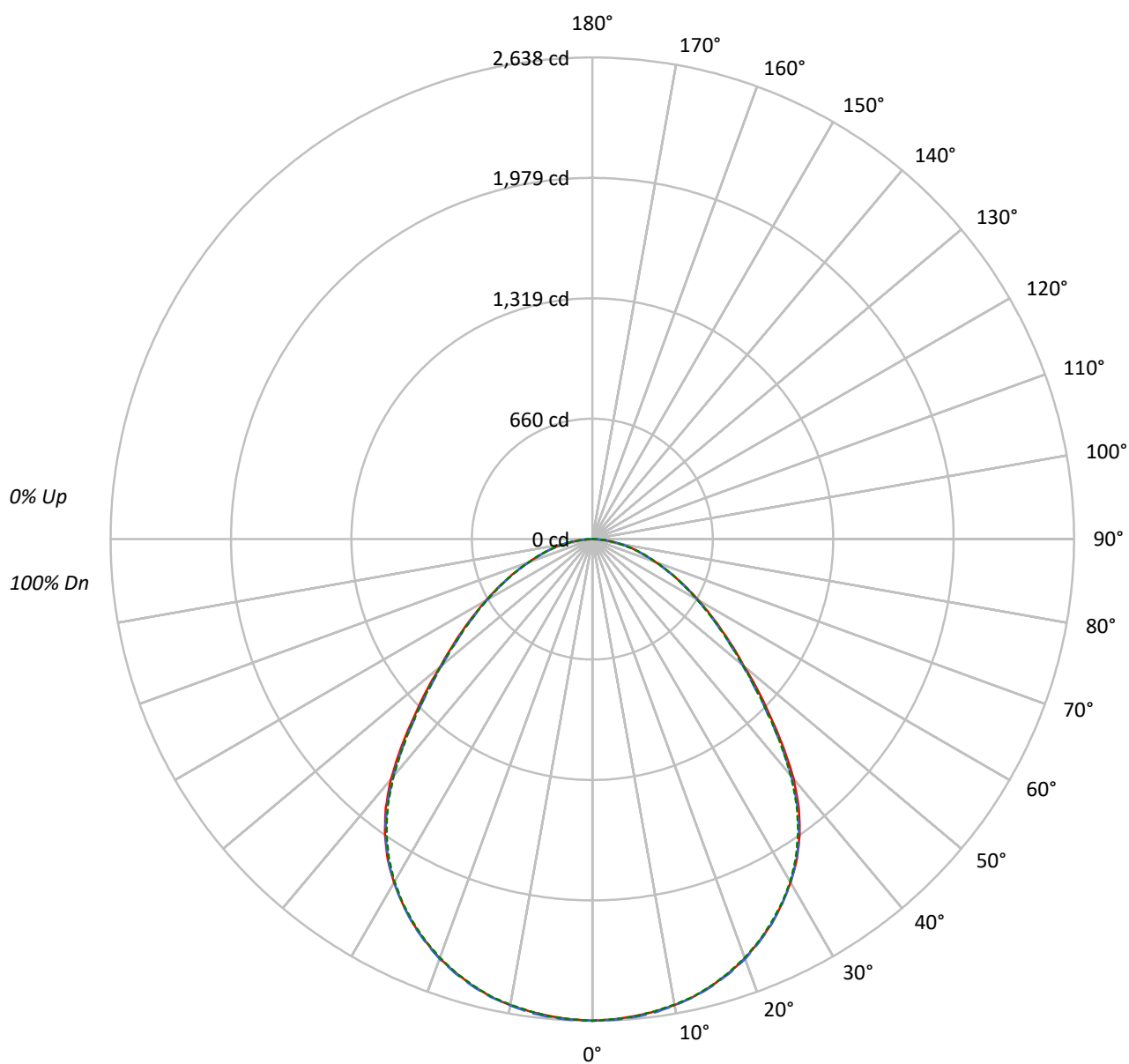
Lumens per Lamp: N/A
Luminaire Lumens: 5944.2 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P1050294

CATALOG NUMBER: PTR-14-80-PLG-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	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°	7099	7099	7099
5°	7085	7101	7091
10°	7080	7086	7075
15°	7052	7062	7047
20°	6997	7007	6986
25°	6899	6904	6882
30°	6748	6748	6731
35°	6501	6483	6452
40°	6024	5959	5939
45°	5265	5180	5202
50°	4546	4491	4515
55°	4040	3979	3988
60°	3617	3567	3567
65°	3243	3219	3231
70°	2917	2888	2917
75°	2705	2667	2705
80°	2524	2495	2408
85°	2140	2140	1908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5265 cd/sqm

TEST NUMBER: P1050294

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.8	4.2
10°-20°	714.7	12.0
20°-30°	1069.3	18.0
30°-40°	1225.2	20.6
40°-50°	1059.6	17.8
50°-60°	766.9	12.9
60°-70°	505.1	8.5
70°-80°	274.9	4.6
80°-90°	78.8	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°	2033.8	34.2
0°-40°	3258.9	54.8
0°-60°	5085.4	85.6
0°-90°	5944.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5944.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2638	2638	2638	2638	2638	
5°	2623	2629	2629	2629	2625	249
15°	2531	2533	2535	2539	2529	714
25°	2324	2324	2325	2327	2318	1069
35°	1979	1977	1973	1972	1964	1229
45°	1384	1380	1361	1359	1367	1071
55°	861	858	848	842	850	775
65°	509	513	506	502	507	508
75°	260	260	256	256	260	277
85°	69	69	69	71	62	80
90°	0	0	0	0	0	

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2638.0	2638.0	2638.0	2638.0	2638.0
2.5°	2632.4	2638.0	2636.1	2638.0	2632.4
5°	2623.0	2628.7	2628.7	2628.7	2624.9
7.5°	2609.9	2613.7	2615.6	2617.4	2608.1
10°	2591.2	2595.0	2593.1	2596.8	2589.3
12.5°	2566.9	2566.9	2568.7	2572.5	2565.0
15°	2531.3	2533.2	2535.0	2538.8	2529.4
17.5°	2490.1	2492.0	2493.9	2495.7	2488.2
20°	2443.3	2443.3	2447.0	2448.9	2439.6
22.5°	2385.3	2385.3	2389.0	2394.6	2383.4
25°	2323.5	2323.5	2325.4	2327.2	2317.9
27.5°	2250.5	2250.5	2252.3	2258.0	2246.7
30°	2171.8	2170.0	2171.8	2173.7	2166.2
32.5°	2083.8	2082.0	2080.1	2082.0	2072.6
35°	1979.0	1977.1	1973.4	1971.5	1964.0
37.5°	1857.3	1853.5	1846.1	1846.1	1838.6
40°	1715.0	1705.6	1696.3	1692.5	1690.7
42.5°	1550.2	1542.7	1529.6	1527.8	1527.8
45°	1383.6	1379.9	1361.1	1359.3	1366.8
47.5°	1233.8	1224.5	1207.6	1203.9	1215.1
50°	1085.9	1087.8	1072.8	1067.2	1078.4
52.5°	969.8	966.1	953.0	949.2	958.6
55°	861.2	857.5	848.1	842.5	850.0
57.5°	762.0	760.1	750.8	748.9	752.7
60°	672.1	670.3	662.8	660.9	662.8
62.5°	587.9	587.9	580.4	576.7	582.3
65°	509.3	513.0	505.5	501.8	507.4
67.5°	438.1	441.9	434.4	430.6	438.1
70°	370.7	374.5	367.0	363.2	370.7
72.5°	312.7	314.5	308.9	307.1	316.4
75°	260.2	260.2	256.5	256.5	260.2
77.5°	211.6	209.7	207.8	207.8	204.1
80°	162.9	161.0	161.0	161.0	155.4
82.5°	116.1	112.3	114.2	116.1	106.7
85°	69.3	69.3	69.3	71.1	61.8
87.5°	28.1	28.1	26.2	28.1	24.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)