

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: P1050196

Luminaire Tested: PTR-14-80-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PC3-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

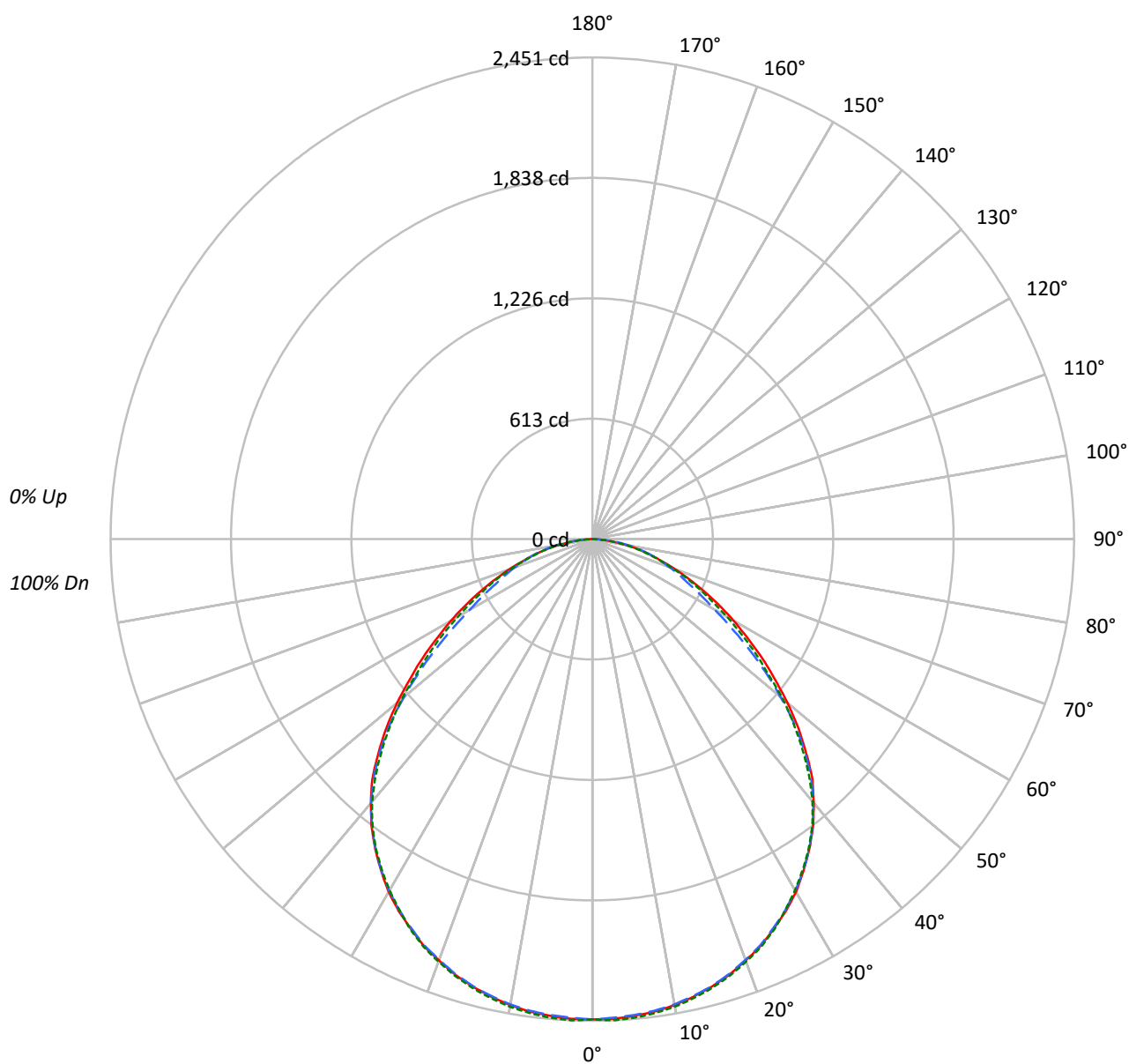
Lumens per Lamp: N/A
Luminaire Lumens: 6162.2 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6577	6577	6577
5°	6579	6567	6605
10°	6579	6567	6603
15°	6563	6556	6586
20°	6534	6524	6552
25°	6490	6479	6505
30°	6441	6419	6408
35°	6324	6318	6307
40°	6157	6148	6120
45°	5855	5812	5753
50°	5420	5238	5297
55°	4946	4545	4749
60°	4460	3877	4253
65°	3987	3469	3825
70°	3537	3282	3439
75°	3127	3180	3065
80°	2698	3037	2682
85°	2019	2402	2019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5869 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.8	3.8
10°-20°	665.4	10.8
20°-30°	1007.5	16.3
30°-40°	1201.2	19.5
40°-50°	1173.6	19.0
50°-60°	897.4	14.6
60°-70°	576.2	9.4
70°-80°	320.6	5.2
80°-90°	88.5	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°	1904.7	30.9
0°-40°	3105.9	50.4
0°-60°	5177.0	84.0
0°-90°	6162.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6162.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2444	2444	2444	2444	2444	
5°	2436	2437	2431	2443	2445	232
15°	2356	2358	2353	2361	2364	665
25°	2186	2188	2182	2189	2191	1008
35°	1925	1927	1923	1922	1920	1203
45°	1539	1542	1527	1524	1512	1184
55°	1054	1018	969	981	1012	942
65°	626	578	545	563	601	624
75°	301	303	306	302	295	321
85°	65	77	78	75	65	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2444.2	2444.2	2444.2	2444.2	2444.2
2.5°	2442.7	2443.6	2437.3	2447.7	2451.2
5°	2435.7	2437.3	2431.2	2442.7	2445.2
7.5°	2425.2	2426.8	2420.7	2432.2	2433.1
10°	2407.7	2408.7	2403.3	2414.7	2416.3
12.5°	2384.2	2386.7	2380.7	2391.2	2391.8
15°	2355.9	2357.8	2353.4	2361.3	2363.9
17.5°	2322.9	2323.9	2319.4	2328.0	2328.9
20°	2281.6	2281.6	2278.1	2288.0	2288.0
22.5°	2239.7	2237.1	2236.2	2239.7	2245.1
25°	2185.7	2188.2	2182.2	2189.2	2190.8
27.5°	2133.3	2133.3	2127.9	2131.4	2126.9
30°	2072.9	2069.4	2065.9	2066.6	2062.4
32.5°	2000.2	2000.2	1998.6	1998.6	1993.2
35°	1925.2	1926.8	1923.3	1922.4	1919.8
37.5°	1844.5	1847.4	1841.0	1839.5	1837.5
40°	1752.7	1752.7	1750.2	1746.7	1742.3
42.5°	1657.4	1657.4	1646.3	1637.4	1631.4
45°	1538.6	1542.1	1527.2	1523.7	1511.6
47.5°	1420.5	1417.9	1397.9	1395.4	1388.4
50°	1294.7	1279.8	1251.2	1258.8	1265.2
52.5°	1168.9	1150.5	1108.6	1117.1	1127.6
55°	1054.2	1017.7	968.8	980.9	1012.3
57.5°	934.5	885.6	836.7	859.5	898.6
60°	828.7	773.8	720.4	744.9	790.3
62.5°	727.4	668.9	626.1	649.6	688.0
65°	626.1	577.8	544.8	562.9	600.7
67.5°	533.3	500.9	478.4	486.9	517.4
70°	449.5	429.1	417.1	419.6	437.1
72.5°	369.7	364.7	360.2	360.2	361.8
75°	300.8	303.3	305.9	301.8	294.8
77.5°	237.0	245.5	251.9	243.0	234.4
80°	174.1	188.0	196.0	186.1	173.1
82.5°	118.8	134.7	137.2	131.2	116.3
85°	65.4	76.9	77.8	75.3	65.4
87.5°	24.5	28.9	31.4	28.9	25.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)