

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: P1050090

Luminaire Tested: PTR-14-70-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050090
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-14-70-L935-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

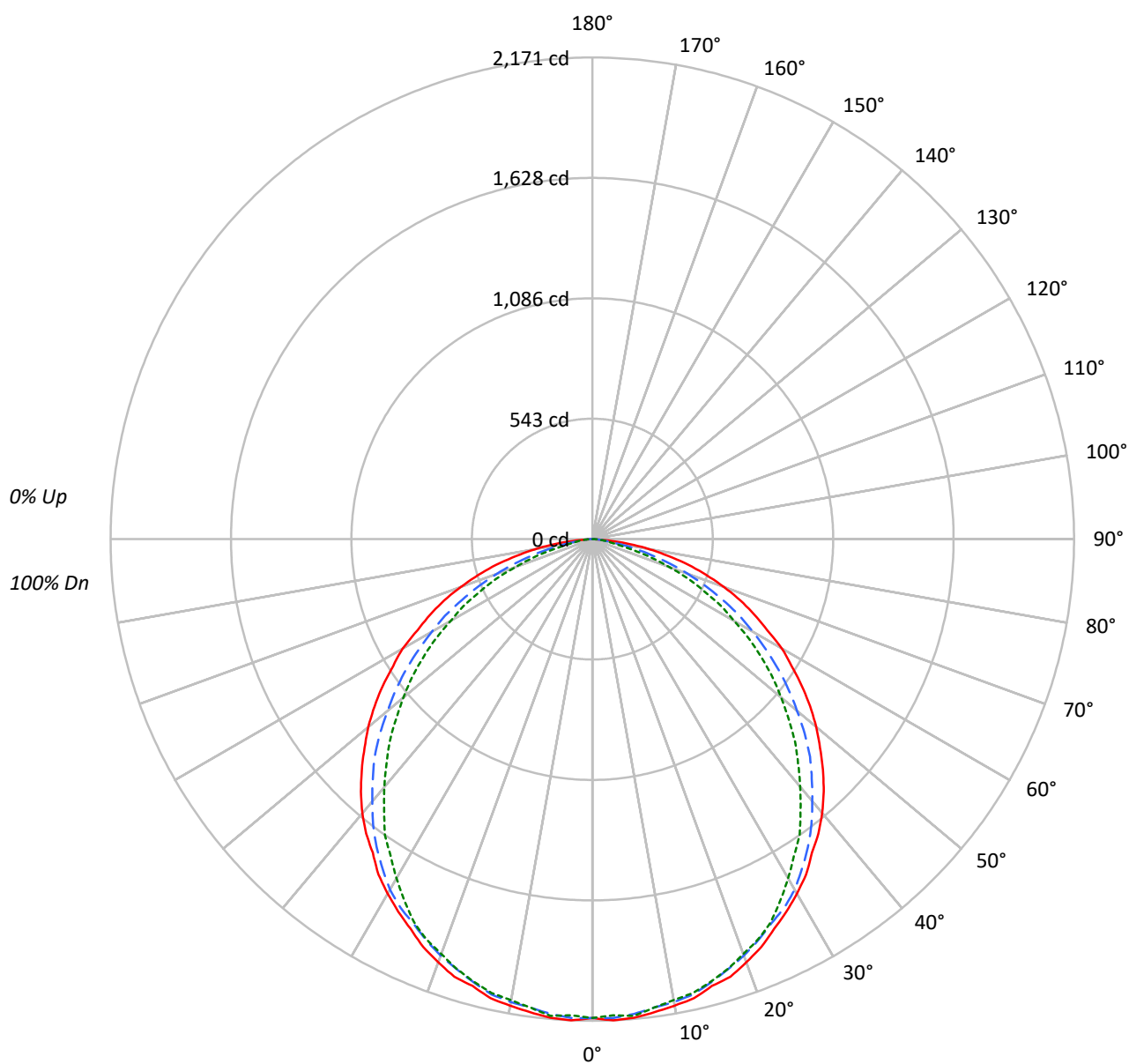
Lumens per Lamp: N/A
Luminaire Lumens: 5748.9 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	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°	5808	5808	5808
5°	5851	5802	5827
10°	5834	5789	5764
15°	5809	5762	5751
20°	5812	5720	5698
25°	5755	5672	5652
30°	5732	5668	5484
35°	5667	5566	5350
40°	5662	5419	5121
45°	5592	5278	4916
50°	5516	5043	4649
55°	5409	4807	4366
60°	5313	4497	3964
65°	5132	4125	3544
70°	4966	3590	2892
75°	4664	2833	1991
80°	4043	1712	1195
85°	2699	1229	1152

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5592 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	3.6
10°-20°	585.4	10.2
20°-30°	884.3	15.4
30°-40°	1051.4	18.3
40°-50°	1066.3	18.5
50°-60°	925.9	16.1
60°-70°	657.3	11.4
70°-80°	314.1	5.5
80°-90°	59.5	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°	1674.3	29.1
0°-40°	2725.7	47.4
0°-60°	4717.9	82.1
0°-90°	5748.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5748.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2158	2158	2158	2158	2158	
5°	2166	2158	2148	2153	2157	206
15°	2085	2090	2068	2066	2064	591
25°	1938	1936	1910	1918	1904	895
35°	1725	1722	1694	1636	1629	1084
45°	1469	1456	1387	1314	1292	1133
55°	1153	1118	1024	964	931	1030
65°	806	746	648	578	557	798
75°	449	366	272	216	192	470
85°	87	46	40	39	37	110
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2158.3	2158.3	2158.3	2158.3	2158.3
2.5°	2171.1	2163.4	2160.8	2169.8	2148.0
5°	2166.0	2158.3	2148.0	2153.1	2157.0
7.5°	2150.5	2144.1	2130.0	2141.5	2130.0
10°	2135.1	2128.7	2118.4	2122.3	2109.4
12.5°	2119.7	2104.3	2101.7	2104.3	2095.3
15°	2085.0	2090.1	2068.3	2065.7	2064.4
17.5°	2068.3	2055.4	2032.3	2033.6	2031.0
20°	2029.7	2014.3	1997.6	1995.0	1989.9
22.5°	1989.9	1971.9	1956.4	1964.2	1952.6
25°	1938.4	1935.9	1910.2	1917.9	1903.7
27.5°	1893.5	1884.5	1872.9	1856.2	1835.6
30°	1844.6	1835.6	1824.0	1780.3	1764.9
32.5°	1793.2	1782.9	1759.8	1708.4	1691.6
35°	1725.1	1722.5	1694.2	1636.4	1628.7
37.5°	1673.6	1645.4	1622.2	1563.1	1541.2
40°	1611.9	1596.5	1542.5	1486.0	1457.7
42.5°	1543.8	1525.8	1464.1	1403.7	1372.9
45°	1469.3	1456.4	1387.0	1313.7	1291.9
47.5°	1392.1	1380.6	1298.3	1227.6	1199.3
50°	1317.6	1303.4	1204.5	1136.3	1110.6
52.5°	1236.6	1213.5	1115.8	1048.9	1024.5
55°	1153.0	1118.3	1024.5	964.1	930.7
57.5°	1064.3	1032.2	928.1	865.1	838.1
60°	987.2	942.2	835.5	771.3	736.6
62.5°	888.2	849.7	748.1	672.3	655.6
65°	806.0	745.6	647.9	578.4	556.6
67.5°	722.4	651.7	552.7	482.0	470.5
70°	631.2	557.9	456.3	386.9	367.6
72.5°	538.6	466.6	367.6	294.4	282.8
75°	448.6	366.4	272.5	216.0	191.5
77.5°	350.9	276.4	191.5	132.4	117.0
80°	260.9	186.4	110.5	78.4	77.1
82.5°	171.0	108.0	59.1	60.4	57.8
85°	87.4	46.3	39.8	38.6	37.3
87.5°	16.7	18.0	19.3	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)