

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: P1050458

Luminaire Tested: PTR-14-60-PW1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PW1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

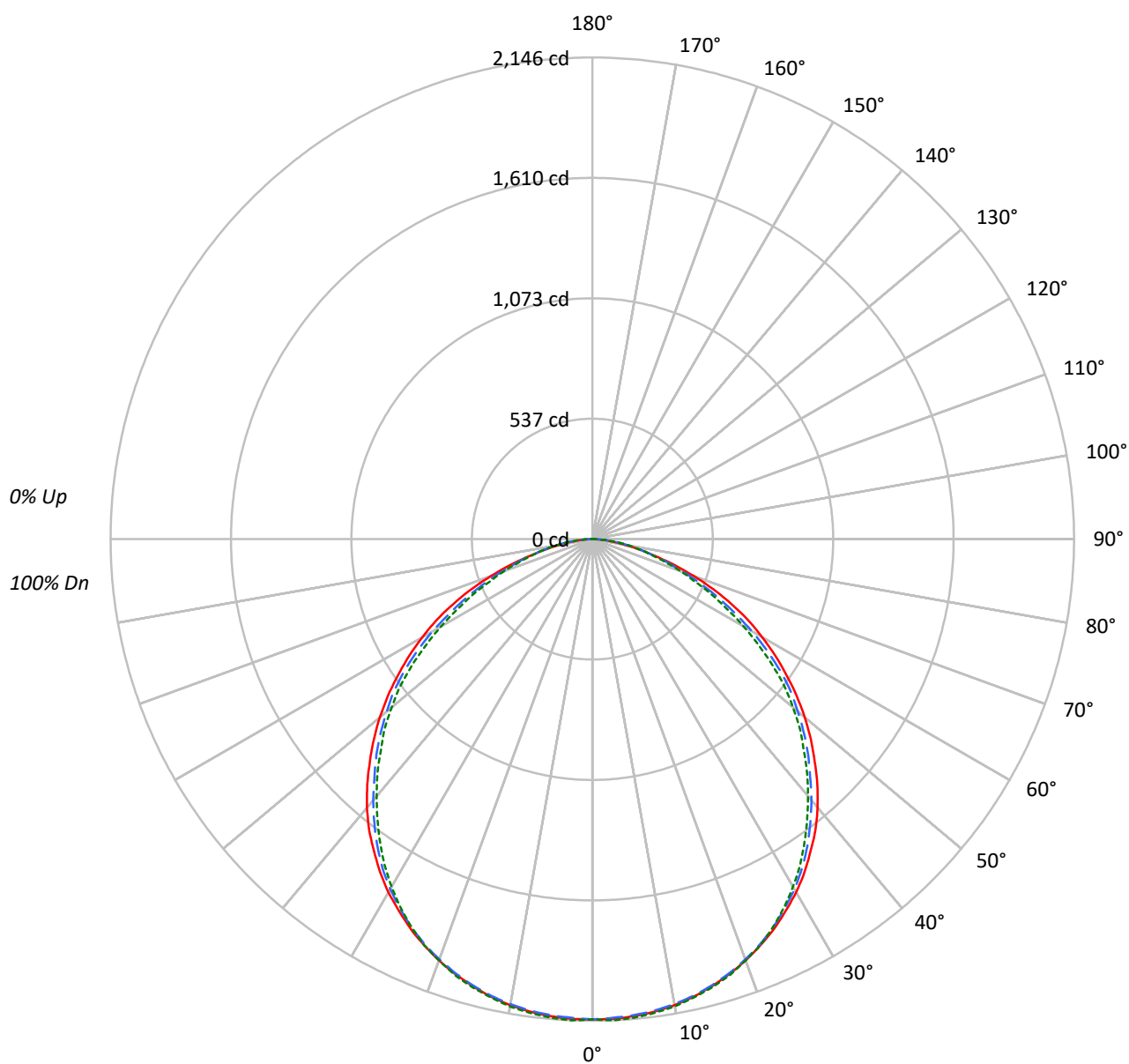
Lumens per Lamp: N/A
Luminaire Lumens: 5679.3 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5759	5759	5759
5°	5764	5751	5781
10°	5761	5749	5777
15°	5744	5735	5757
20°	5720	5707	5720
25°	5689	5665	5660
30°	5645	5596	5556
35°	5570	5485	5415
40°	5484	5334	5250
45°	5333	5175	5069
50°	5171	5003	4887
55°	4956	4788	4598
60°	4699	4421	4190
65°	4346	3948	3752
70°	3768	3437	3308
75°	3008	2942	2861
80°	2286	2554	2554
85°	1689	2180	2180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	3.6
10°-20°	582.1	10.2
20°-30°	879.8	15.5
30°-40°	1044.6	18.4
40°-50°	1052.5	18.5
50°-60°	909.7	16.0
60°-70°	621.8	10.9
70°-80°	306.6	5.4
80°-90°	79.3	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°	1664.9	29.3
0°-40°	2709.5	47.7
0°-60°	4671.7	82.3
0°-90°	5679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5679.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2134	2135	2129	2138	2140	203
15°	2062	2064	2058	2066	2066	582
25°	1916	1914	1908	1910	1906	883
35°	1696	1690	1670	1655	1648	1061
45°	1401	1386	1360	1344	1332	1081
55°	1056	1053	1021	990	980	944
65°	683	658	620	593	589	674
75°	289	287	283	283	275	315
85°	55	64	71	72	71	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2140.1	2140.1	2140.1	2140.1	2140.1
2.5°	2139.5	2140.1	2134.6	2144.1	2146.4
5°	2133.7	2134.6	2129.1	2137.8	2140.1
7.5°	2123.7	2125.1	2118.8	2127.4	2129.1
10°	2108.4	2109.2	2103.8	2112.4	2114.1
12.5°	2087.9	2088.5	2083.9	2091.7	2091.7
15°	2061.7	2064.0	2058.5	2065.7	2066.3
17.5°	2032.3	2033.2	2027.7	2035.5	2037.2
20°	1997.4	1997.4	1992.8	1999.2	1997.4
22.5°	1958.5	1958.5	1953.1	1956.2	1957.7
25°	1915.9	1914.2	1907.8	1909.6	1906.4
27.5°	1866.6	1866.6	1855.4	1855.4	1849.9
30°	1816.8	1812.7	1800.9	1793.7	1788.2
32.5°	1759.4	1754.0	1739.0	1726.3	1722.3
35°	1695.5	1689.7	1669.8	1654.8	1648.5
37.5°	1633.5	1620.8	1594.6	1579.6	1572.4
40°	1561.2	1545.3	1518.5	1497.8	1494.6
42.5°	1483.7	1471.0	1436.1	1420.9	1417.1
45°	1401.3	1386.0	1359.8	1343.9	1332.1
47.5°	1320.3	1309.1	1279.1	1260.1	1256.0
50°	1235.3	1225.8	1195.0	1174.5	1167.3
52.5°	1147.4	1141.1	1114.8	1088.6	1080.0
55°	1056.4	1053.2	1020.6	990.4	980.0
57.5°	966.7	962.7	922.1	887.2	877.7
60°	873.1	861.3	821.5	789.0	778.6
62.5°	784.3	759.0	716.0	690.7	678.9
65°	682.6	658.1	620.1	593.0	589.3
67.5°	582.9	553.5	524.1	507.4	494.8
70°	478.9	459.0	436.8	422.7	420.4
72.5°	382.1	368.0	356.7	348.1	340.9
75°	289.3	287.0	283.0	283.0	275.2
77.5°	212.7	218.1	221.3	220.4	222.2
80°	147.5	158.5	164.8	165.7	164.8
82.5°	93.6	106.3	116.7	118.1	119.9
85°	54.7	64.3	70.6	72.0	70.6
87.5°	24.5	30.8	32.6	34.0	32.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)