

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: P1050165

Luminaire Tested: PTR-14-60-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PB1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

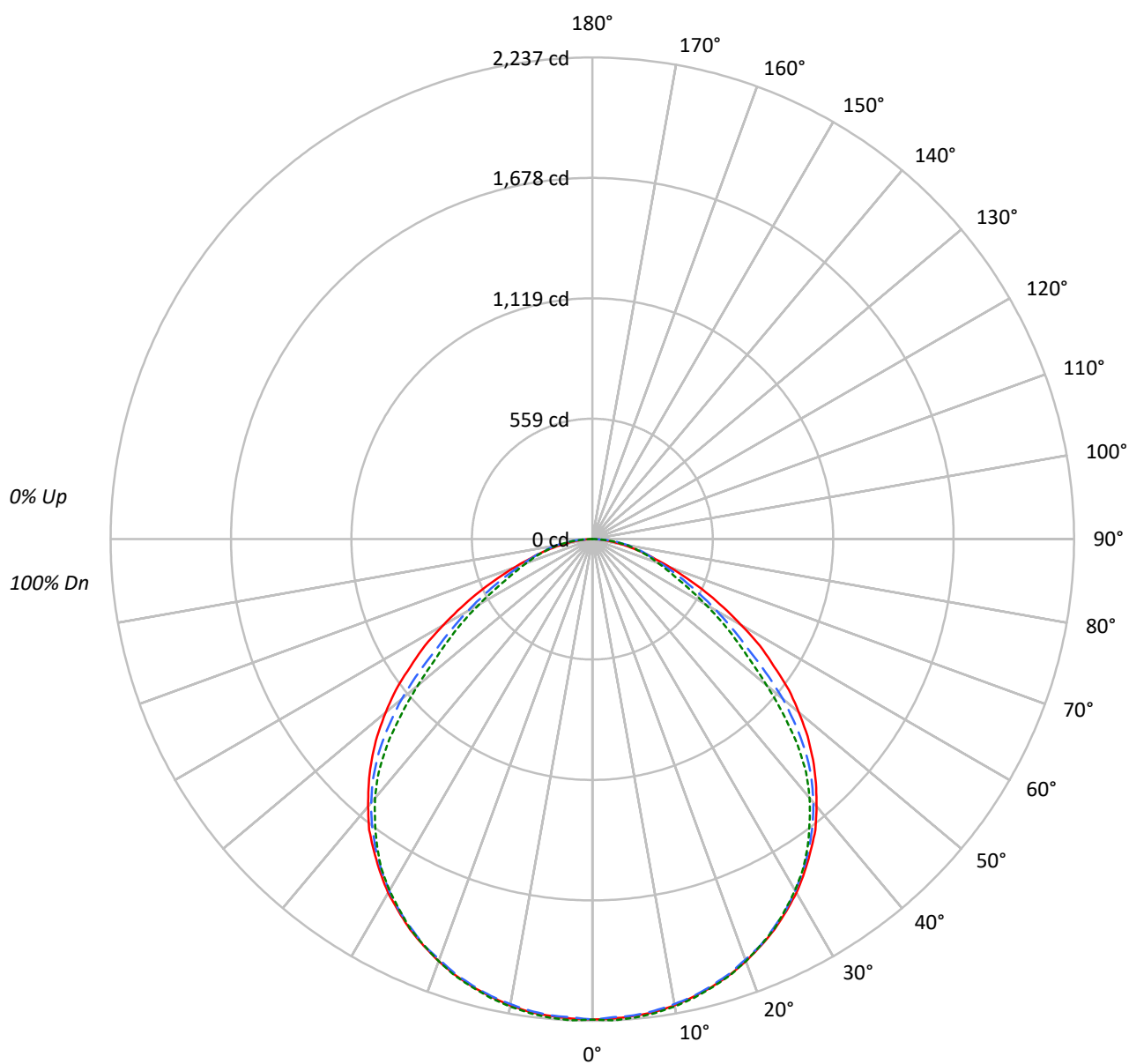
Lumens per Lamp: N/A
Luminaire Lumens: 5564.2 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6005	6005	6005
5°	6005	5998	6028
10°	6008	5993	6022
15°	5995	5980	6002
20°	5973	5950	5973
25°	5941	5916	5932
30°	5893	5859	5850
35°	5806	5762	5726
40°	5689	5612	5514
45°	5515	5337	5118
50°	5240	4837	4423
55°	4829	4108	3811
60°	4299	3590	3265
65°	3688	3112	2779
70°	3045	2744	2548
75°	2567	2624	2484
80°	2170	2679	2554
85°	1698	2714	2374

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	3.8
10°-20°	607.1	10.9
20°-30°	919.6	16.5
30°-40°	1095.8	19.7
40°-50°	1071.6	19.3
50°-60°	810.5	14.6
60°-70°	498.0	8.9
70°-80°	265.3	4.8
80°-90°	84.6	1.5
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°	1738.3	31.2
0°-40°	2834.1	50.9
0°-60°	4716.2	84.8
0°-90°	5564.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5564.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2231	2231	2231	2231	2231	
5°	2223	2226	2220	2229	2231	211
15°	2152	2154	2146	2154	2154	607
25°	2001	1998	1992	1995	1998	921
35°	1768	1765	1754	1746	1743	1106
45°	1449	1441	1402	1356	1345	1115
55°	1029	977	876	826	812	922
65°	579	532	489	450	436	576
75°	247	250	252	244	239	265
85°	55	72	88	82	77	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2231.4	2231.4	2231.4	2231.4	2231.4
2.5°	2228.8	2231.4	2223.1	2234.3	2236.9
5°	2223.1	2225.9	2220.5	2228.8	2231.4
7.5°	2215.0	2215.0	2209.5	2217.6	2220.5
10°	2198.6	2198.6	2193.1	2201.2	2204.0
12.5°	2176.7	2176.7	2173.8	2179.3	2182.1
15°	2151.9	2154.5	2146.4	2154.5	2154.5
17.5°	2121.6	2119.0	2116.2	2121.6	2124.5
20°	2085.9	2085.9	2077.8	2083.3	2085.9
22.5°	2044.7	2044.7	2042.1	2044.7	2042.1
25°	2000.9	1998.0	1992.5	1995.4	1998.0
27.5°	1948.7	1948.7	1943.3	1943.3	1940.4
30°	1896.6	1893.7	1885.6	1880.2	1882.8
32.5°	1833.5	1830.6	1822.5	1817.1	1819.7
35°	1767.5	1764.9	1754.0	1745.6	1743.0
37.5°	1701.8	1693.4	1679.6	1668.7	1657.7
40°	1619.4	1611.0	1597.5	1572.7	1569.8
42.5°	1537.0	1528.9	1506.7	1476.8	1468.4
45°	1449.1	1441.0	1402.4	1355.7	1344.8
47.5°	1355.7	1342.2	1281.7	1224.1	1202.2
50°	1251.7	1226.9	1155.5	1081.4	1056.6
52.5°	1150.0	1106.2	1012.8	946.9	922.4
55°	1029.3	977.1	875.7	826.1	812.3
57.5°	922.4	850.9	768.5	719.2	708.3
60°	798.7	732.8	667.1	623.0	606.6
62.5°	686.1	628.5	573.7	535.1	516.1
65°	579.2	532.5	488.7	450.1	436.5
67.5°	474.9	450.1	414.4	384.4	376.0
70°	387.0	373.2	348.7	334.8	323.9
72.5°	307.5	312.9	296.5	291.0	282.7
75°	246.9	249.8	252.4	244.3	238.9
77.5°	186.7	200.3	211.2	205.7	200.3
80°	140.0	153.6	172.9	164.8	164.8
82.5°	96.0	112.7	129.1	123.6	120.7
85°	55.0	71.5	87.9	82.4	76.9
87.5°	21.9	35.7	38.3	38.3	35.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)