

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: P1050102

Luminaire Tested: PTR-14-40-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050102
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-14-40-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

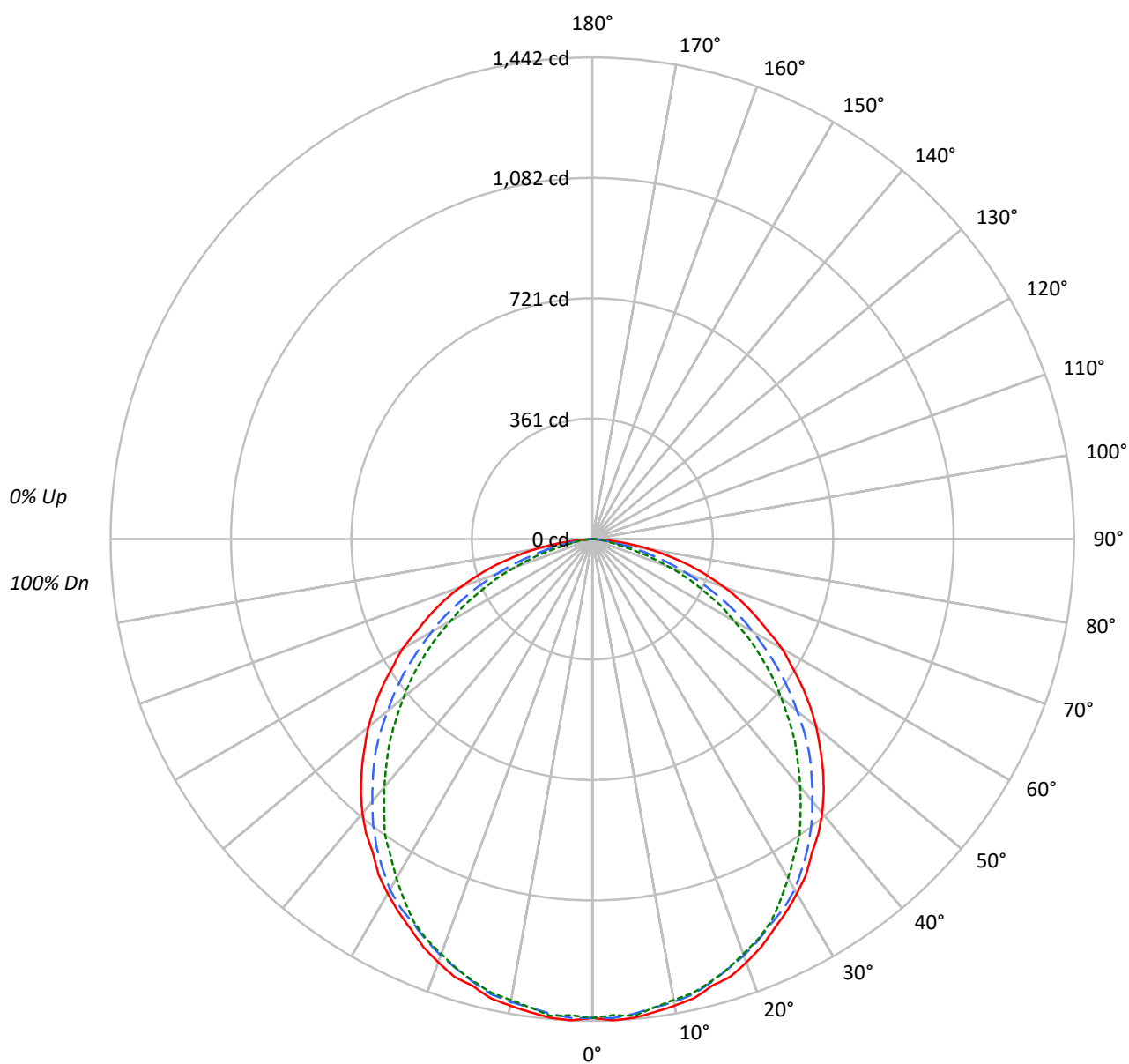
Lumens per Lamp: N/A
Luminaire Lumens: 3817.9 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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°	3857	3857	3857
5°	3885	3853	3870
10°	3875	3844	3828
15°	3858	3827	3819
20°	3860	3799	3784
25°	3822	3767	3754
30°	3806	3764	3642
35°	3763	3696	3553
40°	3760	3599	3401
45°	3714	3505	3265
50°	3663	3349	3088
55°	3592	3192	2900
60°	3528	2986	2633
65°	3408	2740	2353
70°	3298	2385	1921
75°	3097	1882	1323
80°	2686	1137	793
85°	1794	818	766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.9	3.6
10°-20°	388.8	10.2
20°-30°	587.3	15.4
30°-40°	698.2	18.3
40°-50°	708.1	18.5
50°-60°	614.9	16.1
60°-70°	436.5	11.4
70°-80°	208.6	5.5
80°-90°	39.5	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°	1111.9	29.1
0°-40°	1810.1	47.4
0°-60°	3133.2	82.1
0°-90°	3817.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3817.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1438	1433	1426	1430	1432	137
15°	1385	1388	1374	1372	1371	392
25°	1287	1286	1269	1274	1264	595
35°	1146	1144	1125	1087	1082	720
45°	976	967	921	872	858	753
55°	766	743	680	640	618	684
65°	535	495	430	384	370	530
75°	298	243	181	143	127	312
85°	58	31	26	26	25	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1441.9	1436.7	1435.0	1441.0	1426.5
5°	1438.4	1433.3	1426.5	1429.9	1432.5
7.5°	1428.2	1423.9	1414.5	1422.2	1414.5
10°	1418.0	1413.7	1406.9	1409.4	1400.9
12.5°	1407.7	1397.5	1395.8	1397.5	1391.5
15°	1384.7	1388.1	1373.6	1371.9	1371.0
17.5°	1373.6	1365.0	1349.7	1350.5	1348.8
20°	1348.0	1337.7	1326.6	1324.9	1321.5
22.5°	1321.5	1309.5	1299.3	1304.4	1296.7
25°	1287.3	1285.6	1268.6	1273.7	1264.3
27.5°	1257.5	1251.5	1243.8	1232.7	1219.1
30°	1225.0	1219.1	1211.4	1182.3	1172.1
32.5°	1190.9	1184.1	1168.7	1134.5	1123.4
35°	1145.6	1143.9	1125.1	1086.7	1081.6
37.5°	1111.5	1092.7	1077.3	1038.1	1023.6
40°	1070.5	1060.3	1024.4	986.9	968.1
42.5°	1025.3	1013.3	972.3	932.2	911.7
45°	975.8	967.2	921.1	872.5	857.9
47.5°	924.5	916.8	862.2	815.3	796.5
50°	875.0	865.6	799.9	754.7	737.6
52.5°	821.2	805.9	741.0	696.6	680.4
55°	765.7	742.7	680.4	640.3	618.1
57.5°	706.8	685.5	616.4	574.5	556.6
60°	655.6	625.7	554.9	512.2	489.2
62.5°	589.9	564.3	496.8	446.5	435.4
65°	535.3	495.1	430.3	384.2	369.6
67.5°	479.8	432.8	367.1	320.1	312.4
70°	419.2	370.5	303.1	257.0	244.2
72.5°	357.7	309.9	244.2	195.5	187.8
75°	297.9	243.3	181.0	143.4	127.2
77.5°	233.1	183.5	127.2	87.9	77.7
80°	173.3	123.8	73.4	52.1	51.2
82.5°	113.5	71.7	39.3	40.1	38.4
85°	58.1	30.7	26.5	25.6	24.8
87.5°	11.1	12.0	12.8	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)