

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: P1050396

Luminaire Tested: PTR-14-40-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PR1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

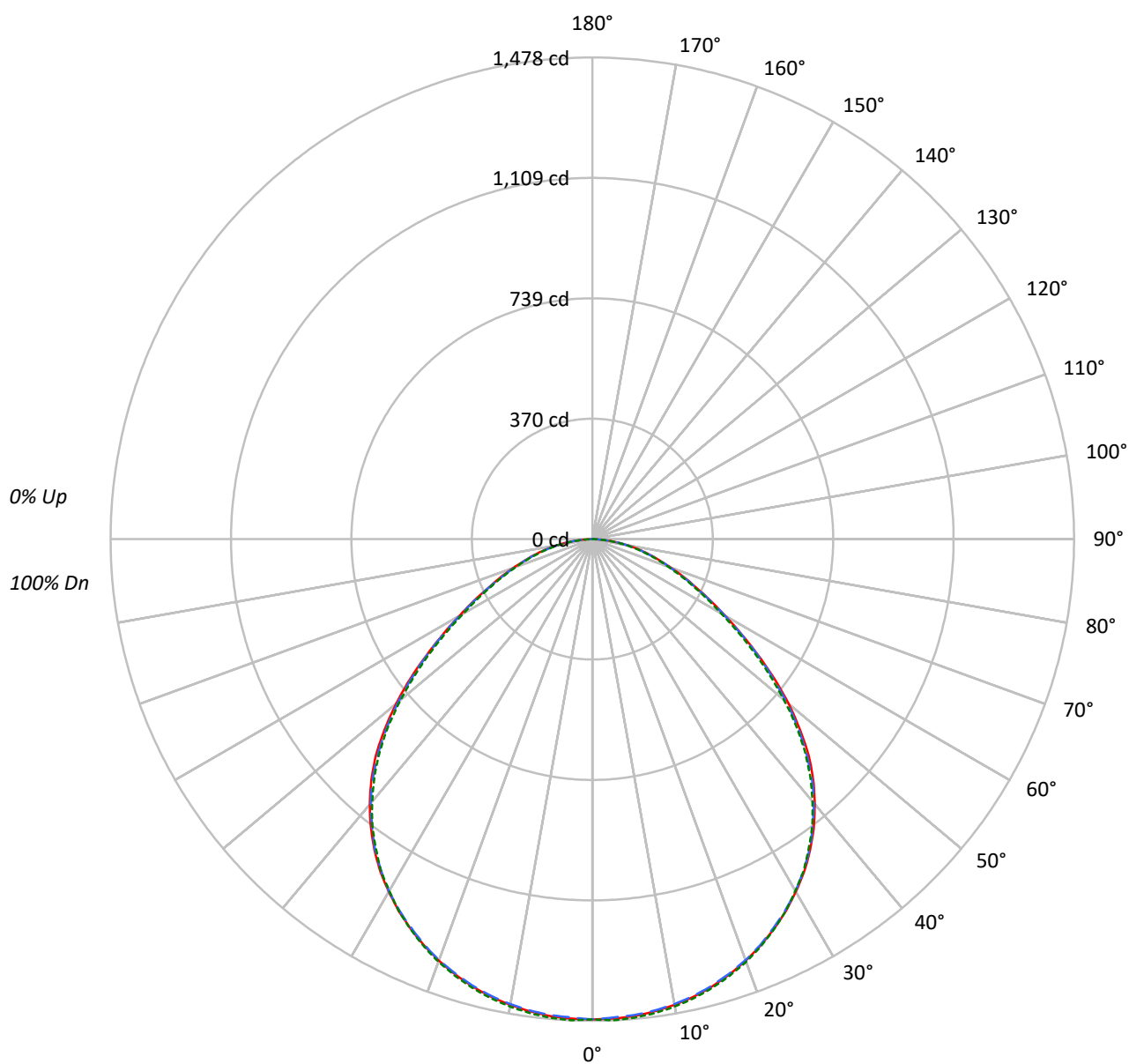
Lumens per Lamp: N/A
Luminaire Lumens: 3726.5 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3965	3965	3965
5°	3969	3960	3982
10°	3966	3959	3980
15°	3958	3952	3971
20°	3942	3937	3952
25°	3916	3906	3920
30°	3881	3876	3871
35°	3828	3819	3803
40°	3731	3716	3690
45°	3575	3535	3510
50°	3290	3253	3213
55°	2912	2899	2842
60°	2530	2521	2453
65°	2230	2216	2173
70°	2023	1995	1954
75°	1874	1830	1796
80°	1709	1686	1630
85°	1352	1340	1284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	3.8
10°-20°	401.2	10.8
20°-30°	607.8	16.3
30°-40°	725.5	19.5
40°-50°	713.5	19.1
50°-60°	551.5	14.8
60°-70°	347.7	9.3
70°-80°	188.1	5.0
80°-90°	51.4	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°	1148.7	30.8
0°-40°	1874.3	50.3
0°-60°	3139.3	84.2
0°-90°	3726.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1469	1470	1466	1472	1474	140
15°	1421	1421	1419	1423	1425	401
25°	1319	1320	1316	1320	1320	608
35°	1165	1166	1162	1161	1158	727
45°	940	936	929	922	922	719
55°	621	626	618	608	606	557
65°	350	351	348	342	341	352
75°	180	178	176	177	173	191
85°	44	44	43	44	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1473.5	1473.5	1473.5	1473.5	1473.5
2.5°	1472.9	1473.5	1469.3	1476.2	1477.7
5°	1469.3	1469.9	1466.0	1472.4	1474.1
7.5°	1461.8	1463.0	1459.3	1465.7	1467.2
10°	1451.3	1452.4	1448.8	1455.1	1456.6
12.5°	1438.2	1438.6	1435.5	1441.3	1442.8
15°	1420.8	1421.1	1418.6	1423.2	1425.4
17.5°	1400.6	1401.2	1397.5	1403.3	1404.2
20°	1376.4	1376.8	1374.7	1379.5	1380.1
22.5°	1349.4	1350.5	1347.3	1351.5	1352.1
25°	1318.9	1319.8	1315.6	1319.8	1320.4
27.5°	1286.6	1287.0	1283.4	1286.6	1286.0
30°	1249.0	1252.3	1247.5	1246.3	1245.9
32.5°	1210.1	1210.4	1205.8	1204.7	1206.8
35°	1165.2	1165.5	1162.5	1160.9	1157.7
37.5°	1116.0	1116.0	1110.1	1109.1	1108.5
40°	1062.1	1061.5	1057.9	1054.2	1050.4
42.5°	1003.4	1004.5	997.1	990.7	989.8
45°	939.5	935.8	928.9	921.6	922.2
47.5°	864.1	865.0	855.6	849.7	848.2
50°	785.8	785.8	777.0	770.6	767.4
52.5°	704.0	704.6	696.2	687.7	686.0
55°	620.6	625.8	617.9	607.9	605.8
57.5°	542.5	546.7	539.2	528.7	528.1
60°	470.1	470.5	468.4	458.4	455.7
62.5°	408.3	405.7	404.5	399.3	396.1
65°	350.2	350.8	348.1	342.1	341.2
67.5°	303.2	302.6	297.8	294.2	292.1
70°	257.1	255.6	253.5	250.4	248.3
72.5°	216.1	216.1	214.3	213.4	209.7
75°	180.2	178.1	176.0	176.9	172.7
77.5°	145.8	143.7	142.0	139.9	138.9
80°	110.3	108.2	108.8	105.5	105.2
82.5°	76.6	76.6	75.6	72.9	73.5
85°	43.8	44.3	43.4	43.8	41.6
87.5°	15.9	16.3	17.5	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)