

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: P1050150

Luminaire Tested: PTR-14-40-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050150
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-14-40-PB1-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

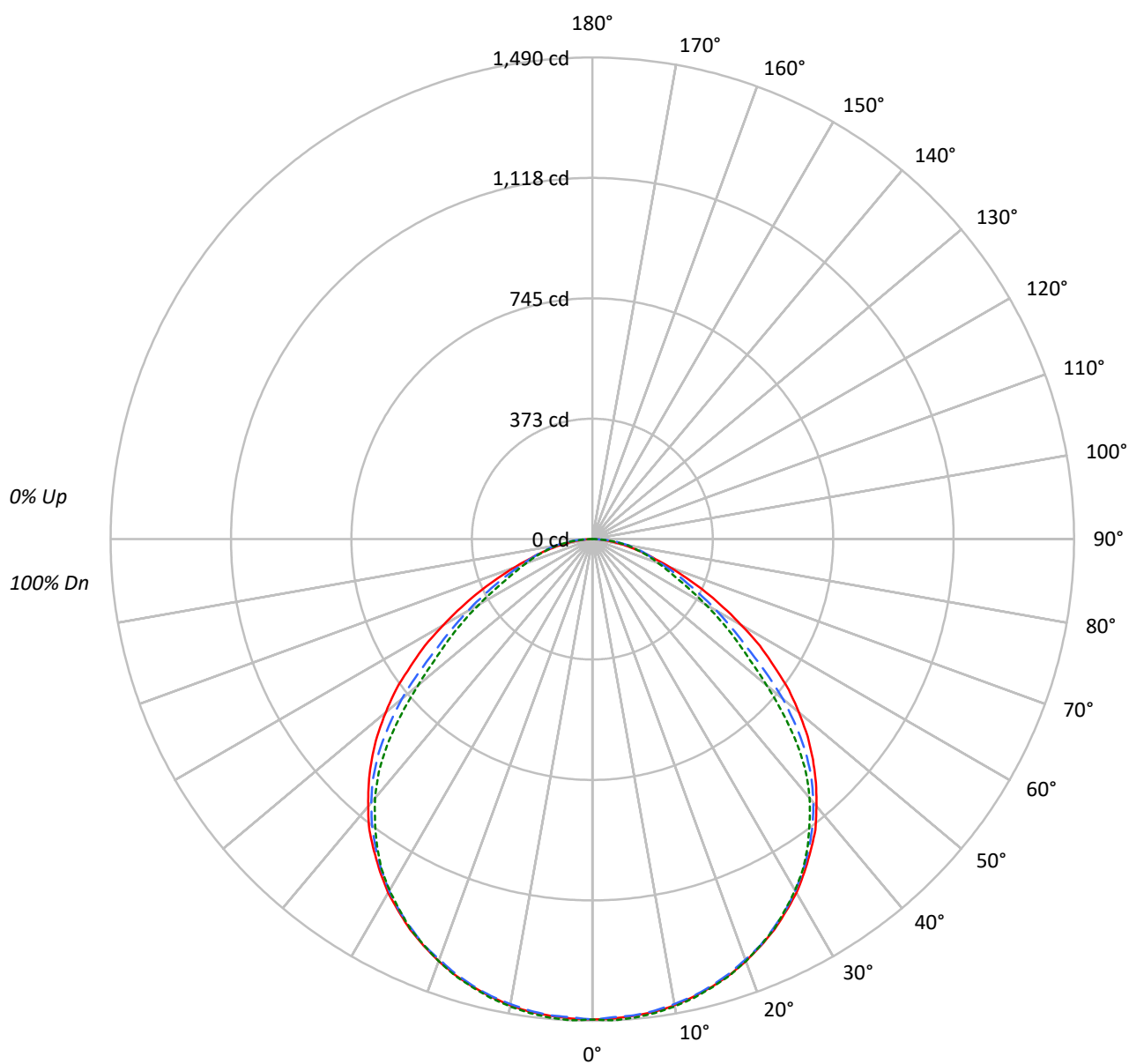
Lumens per Lamp: N/A
Luminaire Lumens: 3705.6 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3999	3999	3999
5°	3999	3995	4014
10°	4001	3991	4011
15°	3992	3982	3997
20°	3978	3963	3978
25°	3957	3940	3951
30°	3925	3902	3896
35°	3867	3837	3813
40°	3789	3737	3673
45°	3673	3554	3408
50°	3490	3221	2946
55°	3216	2736	2538
60°	2863	2391	2174
65°	2456	2073	1851
70°	2028	1827	1697
75°	1710	1748	1654
80°	1446	1784	1702
85°	1133	1806	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	3.8
10°-20°	404.3	10.9
20°-30°	612.5	16.5
30°-40°	729.8	19.7
40°-50°	713.7	19.3
50°-60°	539.8	14.6
60°-70°	331.6	8.9
70°-80°	176.7	4.8
80°-90°	56.4	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°	1157.7	31.2
0°-40°	1887.5	50.9
0°-60°	3140.9	84.8
0°-90°	3705.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3705.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1480	1482	1479	1484	1486	141
15°	1433	1435	1430	1435	1435	404
25°	1333	1331	1327	1329	1331	614
35°	1177	1175	1168	1162	1161	736
45°	965	960	934	903	896	742
55°	686	651	583	550	541	614
65°	386	355	326	300	291	384
75°	164	166	168	163	159	176
85°	37	48	58	55	51	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1486.1	1486.1	1486.1	1486.1	1486.1
2.5°	1484.4	1486.1	1480.5	1488.0	1489.7
5°	1480.5	1482.4	1478.8	1484.4	1486.1
7.5°	1475.1	1475.1	1471.5	1476.9	1478.8
10°	1464.2	1464.2	1460.6	1465.9	1467.8
12.5°	1449.6	1449.6	1447.7	1451.3	1453.3
15°	1433.1	1434.8	1429.5	1434.8	1434.8
17.5°	1413.0	1411.2	1409.3	1413.0	1414.9
20°	1389.2	1389.2	1383.8	1387.4	1389.2
22.5°	1361.7	1361.7	1360.0	1361.7	1360.0
25°	1332.6	1330.6	1327.0	1328.9	1330.6
27.5°	1297.8	1297.8	1294.2	1294.2	1292.3
30°	1263.1	1261.2	1255.8	1252.2	1253.9
32.5°	1221.1	1219.1	1213.8	1210.1	1211.9
35°	1177.1	1175.4	1168.1	1162.5	1160.8
37.5°	1133.4	1127.8	1118.6	1111.3	1104.0
40°	1078.5	1072.9	1063.9	1047.4	1045.5
42.5°	1023.6	1018.2	1003.4	983.5	977.9
45°	965.1	959.7	934.0	902.9	895.6
47.5°	902.9	893.9	853.6	815.2	800.6
50°	833.6	817.1	769.5	720.2	703.7
52.5°	765.9	736.7	674.5	630.6	614.3
55°	685.5	650.7	583.2	550.2	541.0
57.5°	614.3	566.7	511.8	479.0	471.7
60°	531.9	488.0	444.2	414.9	404.0
62.5°	456.9	418.5	382.1	356.4	343.7
65°	385.7	354.6	325.5	299.7	290.7
67.5°	316.3	299.7	276.0	256.0	250.4
70°	257.7	248.5	232.2	223.0	215.7
72.5°	204.8	208.4	197.5	193.8	188.3
75°	164.5	166.4	168.1	162.7	159.1
77.5°	124.4	133.4	140.7	137.0	133.4
80°	93.3	102.3	115.1	109.8	109.8
82.5°	63.9	75.0	86.0	82.3	80.4
85°	36.7	47.6	58.5	54.9	51.2
87.5°	14.6	23.8	25.5	25.5	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)