

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: P1050395

Luminaire Tested: PTR-14-40-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050395
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-L830-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

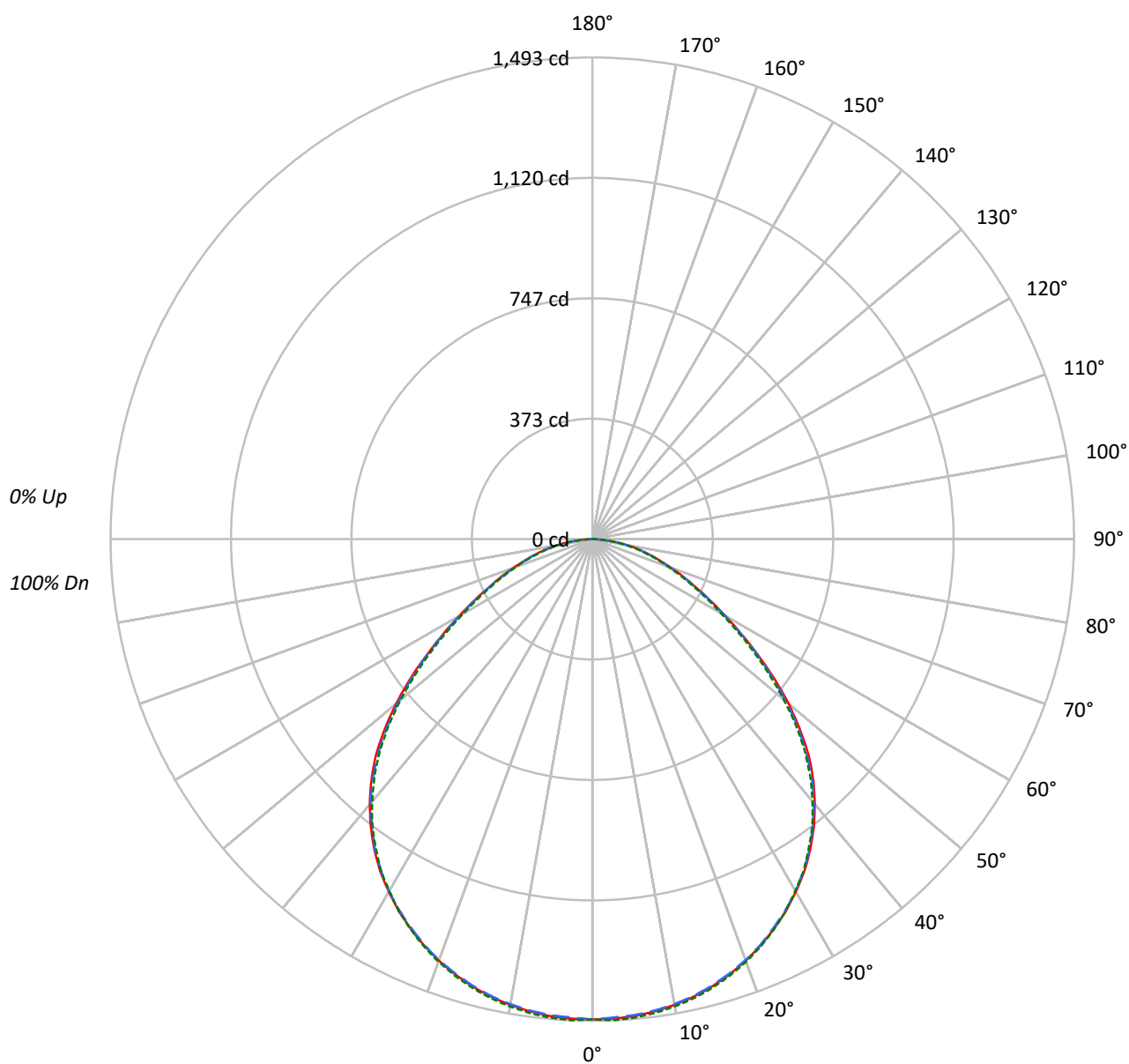
Lumens per Lamp: N/A
Luminaire Lumens: 3764.2 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4005	4005	4005
5°	4009	4000	4022
10°	4006	3999	4020
15°	3998	3992	4011
20°	3981	3977	3992
25°	3956	3946	3960
30°	3920	3915	3911
35°	3866	3857	3842
40°	3769	3754	3727
45°	3612	3571	3545
50°	3323	3286	3245
55°	2941	2928	2871
60°	2556	2546	2477
65°	2252	2239	2194
70°	2043	2014	1973
75°	1892	1848	1813
80°	1728	1703	1646
85°	1365	1352	1300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	3.8
10°-20°	405.2	10.8
20°-30°	613.9	16.3
30°-40°	732.9	19.5
40°-50°	720.7	19.1
50°-60°	557.1	14.8
60°-70°	351.3	9.3
70°-80°	190.0	5.0
80°-90°	51.9	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°	1160.3	30.8
0°-40°	1893.2	50.3
0°-60°	3171.0	84.2
0°-90°	3764.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3764.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1484	1485	1481	1487	1489	141
15°	1435	1436	1433	1438	1440	405
25°	1332	1333	1329	1333	1334	614
35°	1177	1177	1174	1173	1169	735
45°	949	945	938	931	932	727
55°	627	632	624	614	612	563
65°	354	354	352	346	345	356
75°	182	180	178	179	174	193
85°	44	45	44	44	42	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1488.4	1488.4	1488.4	1488.4	1488.4
2.5°	1487.8	1488.4	1484.1	1491.1	1492.7
5°	1484.1	1484.7	1480.8	1487.2	1489.0
7.5°	1476.6	1477.7	1474.1	1480.5	1482.0
10°	1465.9	1467.1	1463.4	1469.8	1471.3
12.5°	1452.7	1453.1	1450.0	1455.8	1457.4
15°	1435.1	1435.5	1433.0	1437.6	1439.8
17.5°	1414.8	1415.3	1411.6	1417.5	1418.4
20°	1390.3	1390.7	1388.6	1393.4	1394.0
22.5°	1363.0	1364.2	1360.9	1365.1	1365.7
25°	1332.2	1333.1	1328.9	1333.1	1333.7
27.5°	1299.6	1300.0	1296.3	1299.6	1299.0
30°	1261.6	1264.9	1260.1	1258.9	1258.5
32.5°	1222.3	1222.7	1218.0	1216.9	1219.0
35°	1176.9	1177.3	1174.2	1172.7	1169.4
37.5°	1127.3	1127.3	1121.3	1120.3	1119.7
40°	1072.8	1072.3	1068.6	1064.9	1061.0
42.5°	1013.5	1014.7	1007.1	1000.7	999.8
45°	949.0	945.3	938.3	931.0	931.5
47.5°	872.8	873.8	864.3	858.3	856.7
50°	793.7	793.7	784.8	778.4	775.1
52.5°	711.2	711.7	703.2	694.7	692.9
55°	626.8	632.1	624.1	614.0	611.9
57.5°	548.0	552.2	544.7	534.0	533.4
60°	474.9	475.3	473.1	463.1	460.3
62.5°	412.5	409.8	408.6	403.4	400.1
65°	353.7	354.3	351.6	345.6	344.6
67.5°	306.2	305.7	300.8	297.1	295.0
70°	259.7	258.2	256.0	252.9	250.8
72.5°	218.3	218.3	216.5	215.5	211.9
75°	182.0	179.9	177.7	178.7	174.4
77.5°	147.3	145.2	143.4	141.3	140.3
80°	111.5	109.3	109.9	106.6	106.2
82.5°	77.3	77.3	76.4	73.7	74.2
85°	44.2	44.8	43.8	44.2	42.1
87.5°	16.1	16.5	17.6	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)