

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: P1050113

Luminaire Tested: PTR-14-50-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050113
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-14-50-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

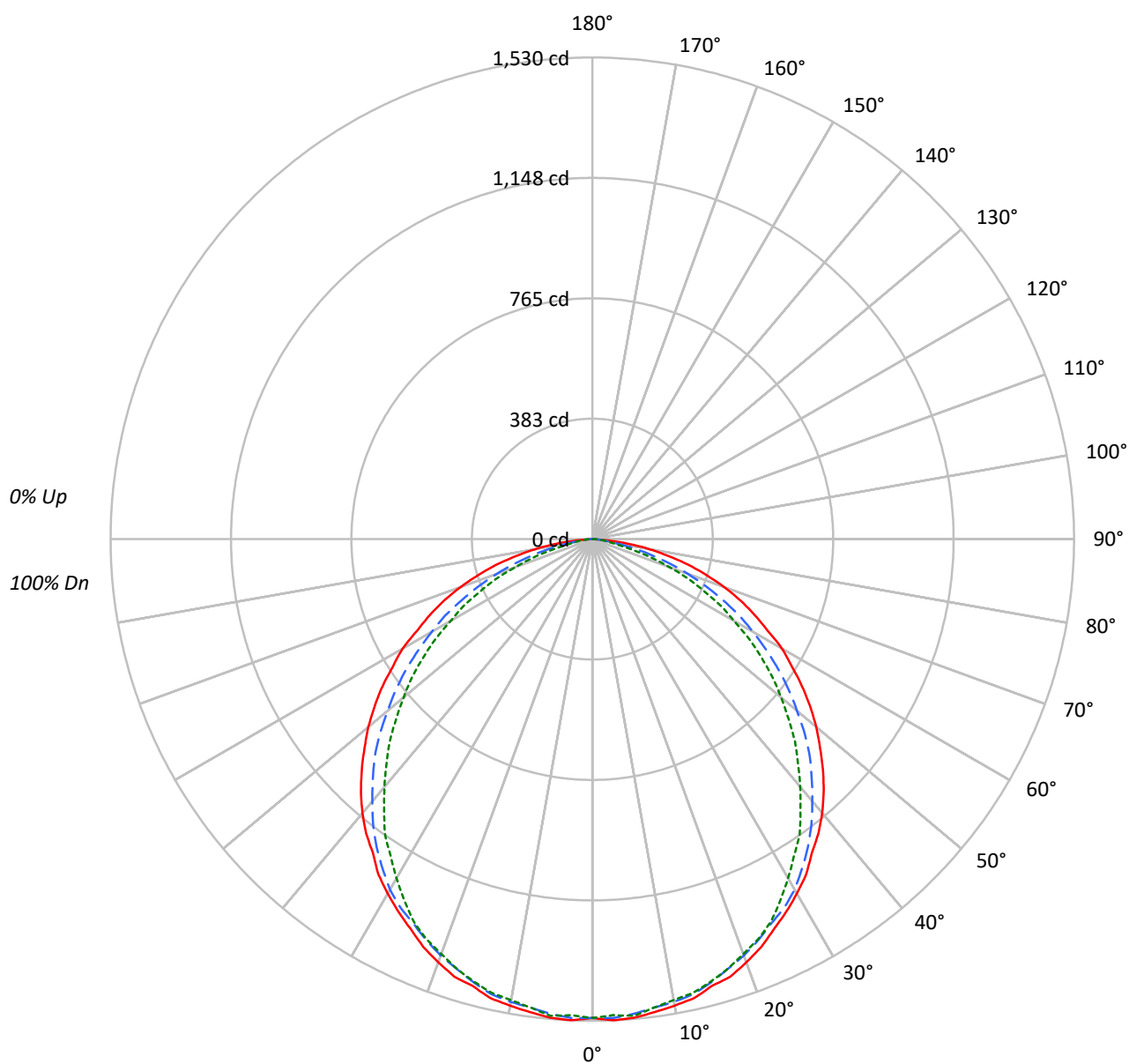
Lumens per Lamp: N/A
Luminaire Lumens: 4050.9 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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°	4092	4092	4092
5°	4123	4089	4106
10°	4111	4079	4062
15°	4093	4060	4053
20°	4096	4031	4015
25°	4056	3996	3983
30°	4039	3994	3864
35°	3993	3922	3770
40°	3990	3818	3608
45°	3940	3719	3464
50°	3887	3553	3276
55°	3812	3387	3077
60°	3744	3169	2793
65°	3616	2907	2497
70°	3499	2530	2039
75°	3287	1996	1404
80°	2850	1207	841
85°	1902	868	812

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	3.6
10°-20°	412.5	10.2
20°-30°	623.1	15.4
30°-40°	740.9	18.3
40°-50°	751.4	18.5
50°-60°	652.5	16.1
60°-70°	463.2	11.4
70°-80°	221.3	5.5
80°-90°	42.0	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°	1179.8	29.1
0°-40°	1920.6	47.4
0°-60°	3324.4	82.1
0°-90°	4050.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4050.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1526	1521	1514	1517	1520	145
15°	1469	1473	1457	1456	1455	416
25°	1366	1364	1346	1351	1342	631
35°	1216	1214	1194	1153	1148	764
45°	1035	1026	977	926	910	799
55°	812	788	722	679	656	726
65°	568	525	456	408	392	563
75°	316	258	192	152	135	331
85°	62	33	28	27	26	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1520.8	1520.8	1520.8	1520.8	1520.8
2.5°	1529.9	1524.4	1522.6	1528.9	1513.6
5°	1526.2	1520.8	1513.6	1517.2	1519.9
7.5°	1515.4	1510.8	1500.9	1509.0	1500.9
10°	1504.5	1500.0	1492.7	1495.4	1486.4
12.5°	1493.6	1482.8	1480.9	1482.8	1476.4
15°	1469.2	1472.8	1457.4	1455.6	1454.7
17.5°	1457.4	1448.3	1432.0	1432.9	1431.1
20°	1430.2	1419.4	1407.6	1405.8	1402.1
22.5°	1402.1	1389.5	1378.6	1384.0	1375.9
25°	1365.9	1364.1	1346.0	1351.4	1341.5
27.5°	1334.2	1327.9	1319.7	1307.9	1293.4
30°	1299.8	1293.4	1285.3	1254.5	1243.6
32.5°	1263.6	1256.3	1240.0	1203.8	1192.0
35°	1215.6	1213.7	1193.8	1153.1	1147.6
37.5°	1179.3	1159.4	1143.1	1101.4	1086.0
40°	1135.8	1125.0	1086.9	1047.1	1027.1
42.5°	1087.8	1075.2	1031.7	989.1	967.4
45°	1035.3	1026.2	977.3	925.7	910.3
47.5°	981.0	972.8	914.8	865.0	845.1
50°	928.4	918.5	848.7	800.7	782.6
52.5°	871.4	855.1	786.2	739.1	721.9
55°	812.5	788.0	721.9	679.3	655.8
57.5°	750.0	727.3	654.0	609.6	590.6
60°	695.6	663.9	588.8	543.5	519.0
62.5°	625.9	598.7	527.2	473.7	461.9
65°	567.9	525.3	456.5	407.6	392.2
67.5°	509.0	459.2	389.5	339.7	331.5
70°	444.7	393.1	321.6	272.6	259.1
72.5°	379.5	328.8	259.1	207.4	199.3
75°	316.1	258.1	192.0	152.2	135.0
77.5°	247.3	194.7	135.0	93.3	82.4
80°	183.9	131.3	77.9	55.3	54.3
82.5°	120.5	76.1	41.7	42.6	40.8
85°	61.6	32.6	28.1	27.2	26.3
87.5°	11.8	12.7	13.6	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)