

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: P1050106

Luminaire Tested: PTR-14-40-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050106
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-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

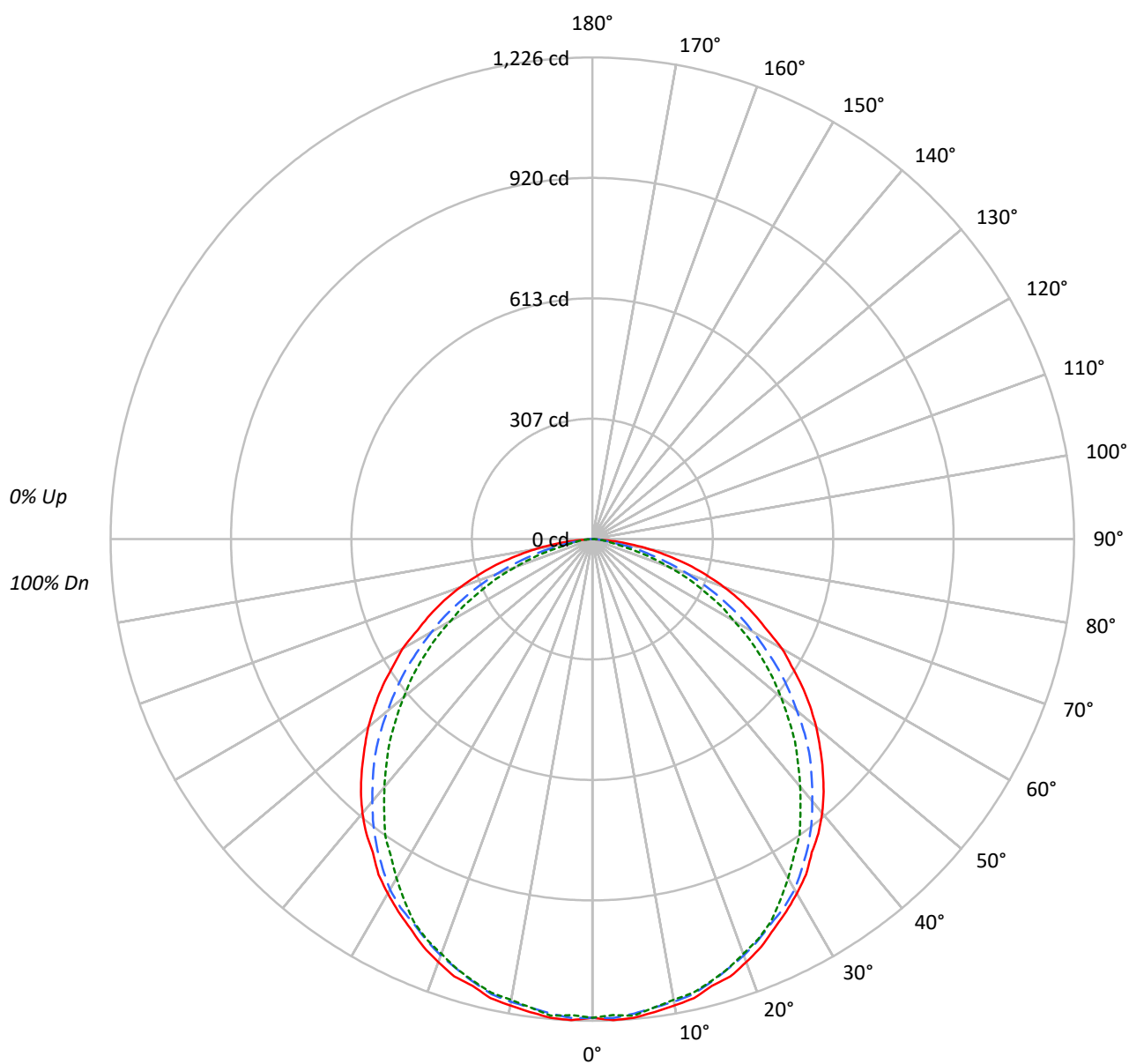
Lumens per Lamp: N/A
Luminaire Lumens: 3245.2 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3278	3278	3278
5°	3303	3275	3289
10°	3293	3268	3254
15°	3279	3253	3247
20°	3281	3229	3217
25°	3249	3202	3191
30°	3236	3200	3096
35°	3199	3142	3020
40°	3196	3059	2891
45°	3156	2980	2775
50°	3114	2846	2624
55°	3054	2713	2465
60°	2999	2539	2238
65°	2897	2329	2001
70°	2803	2027	1633
75°	2633	1599	1124
80°	2283	967	674
85°	1522	695	648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	3.6
10°-20°	330.5	10.2
20°-30°	499.2	15.4
30°-40°	593.5	18.3
40°-50°	601.9	18.5
50°-60°	522.7	16.1
60°-70°	371.1	11.4
70°-80°	177.3	5.5
80°-90°	33.6	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°	945.1	29.1
0°-40°	1538.6	47.4
0°-60°	2663.3	82.1
0°-90°	3245.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3245.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1223	1218	1212	1215	1218	116
15°	1177	1180	1168	1166	1165	333
25°	1094	1093	1078	1083	1075	505
35°	974	972	956	924	919	612
45°	829	822	783	742	729	640
55°	651	631	578	544	525	582
65°	455	421	366	326	314	451
75°	253	207	154	122	108	266
85°	49	26	22	22	21	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1218.3	1218.3	1218.3	1218.3	1218.3
2.5°	1225.6	1221.2	1219.8	1224.9	1212.5
5°	1222.7	1218.3	1212.5	1215.4	1217.6
7.5°	1214.0	1210.3	1202.4	1208.9	1202.4
10°	1205.3	1201.6	1195.8	1198.0	1190.8
12.5°	1196.6	1187.8	1186.4	1187.8	1182.8
15°	1177.0	1179.9	1167.5	1166.1	1165.4
17.5°	1167.5	1160.3	1147.2	1147.9	1146.5
20°	1145.8	1137.1	1127.6	1126.2	1123.3
22.5°	1123.3	1113.1	1104.4	1108.8	1102.2
25°	1094.2	1092.8	1078.3	1082.6	1074.7
27.5°	1068.8	1063.8	1057.2	1047.8	1036.2
30°	1041.3	1036.2	1029.7	1005.0	996.3
32.5°	1012.2	1006.4	993.4	964.4	954.9
35°	973.8	972.3	956.4	923.7	919.4
37.5°	944.8	928.8	915.7	882.4	870.0
40°	909.9	901.2	870.8	838.8	822.9
42.5°	871.5	861.3	826.5	792.4	775.0
45°	829.4	822.1	783.0	741.6	729.3
47.5°	785.9	779.3	732.9	693.0	677.0
50°	743.8	735.8	679.9	641.5	626.9
52.5°	698.1	685.0	629.8	592.1	578.3
55°	650.9	631.3	578.3	544.2	525.4
57.5°	600.8	582.7	523.9	488.3	473.1
60°	557.3	531.9	471.7	435.4	415.8
62.5°	501.4	479.6	422.3	379.5	370.1
65°	455.0	420.9	365.7	326.5	314.2
67.5°	407.8	367.9	312.0	272.1	265.6
70°	356.3	314.9	257.6	218.4	207.5
72.5°	304.0	263.4	207.5	166.2	159.6
75°	253.2	206.8	153.8	121.9	108.1
77.5°	198.1	156.0	108.1	74.7	66.0
80°	147.3	105.2	62.4	44.3	43.5
82.5°	96.5	61.0	33.4	34.1	32.7
85°	49.3	26.1	22.5	21.8	21.0
87.5°	9.4	10.2	10.9	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)