

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: P1050105

Luminaire Tested: PTR-14-40-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050105
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

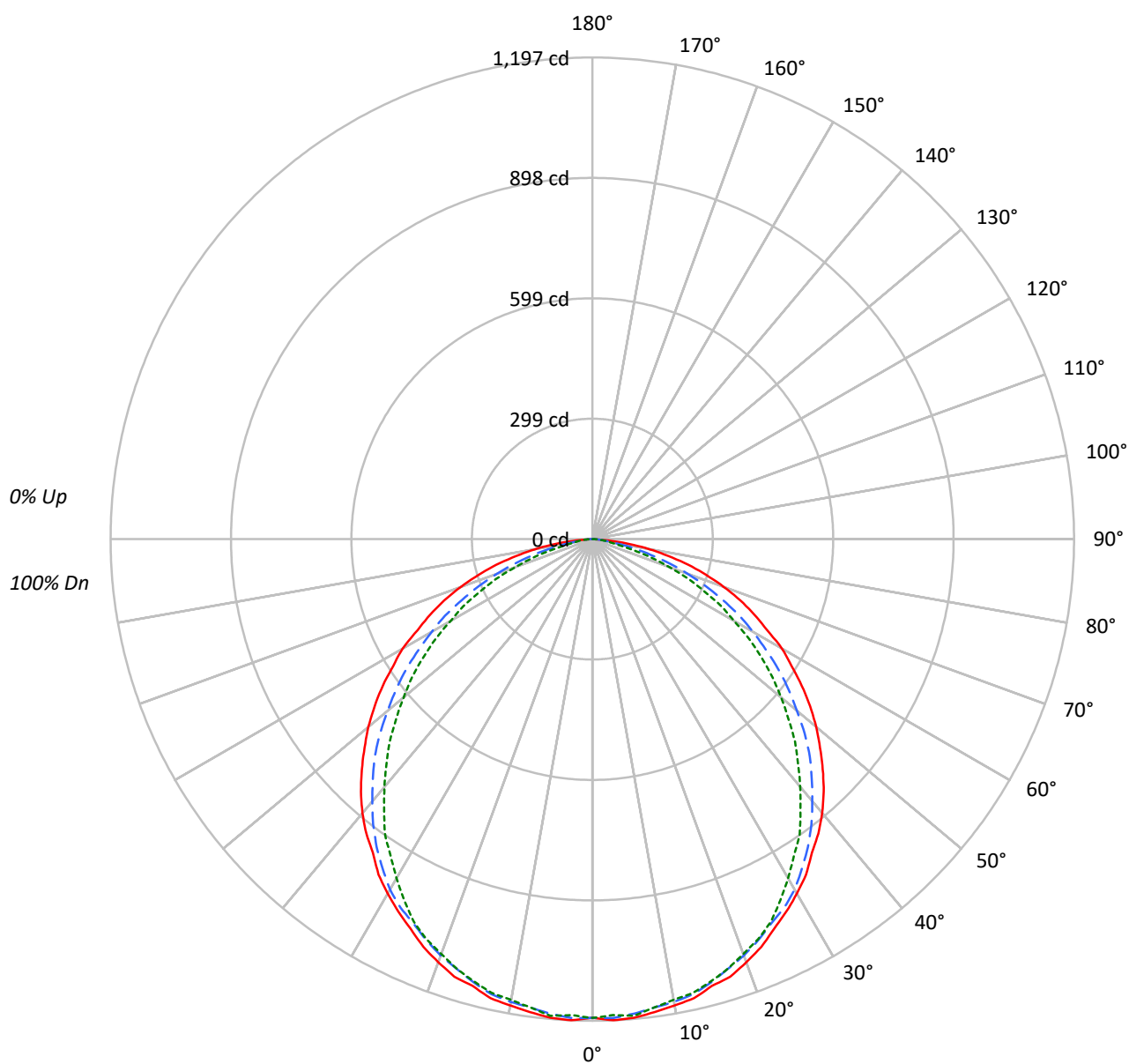
Lumens per Lamp: N/A
Luminaire Lumens: 3168.9 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3201	3201	3201
5°	3225	3198	3212
10°	3216	3191	3177
15°	3202	3176	3170
20°	3204	3153	3141
25°	3173	3126	3116
30°	3159	3124	3023
35°	3124	3068	2949
40°	3121	2987	2823
45°	3082	2909	2710
50°	3041	2779	2563
55°	2982	2649	2407
60°	2929	2479	2185
65°	2829	2274	1954
70°	2737	1979	1594
75°	2571	1562	1098
80°	2228	944	659
85°	1488	679	633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	3.6
10°-20°	322.7	10.2
20°-30°	487.4	15.4
30°-40°	579.5	18.3
40°-50°	587.8	18.5
50°-60°	510.4	16.1
60°-70°	362.3	11.4
70°-80°	173.1	5.5
80°-90°	32.8	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°	922.9	29.1
0°-40°	1502.4	47.4
0°-60°	2600.6	82.1
0°-90°	3168.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3168.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1194	1190	1184	1187	1189	113
15°	1149	1152	1140	1139	1138	326
25°	1068	1067	1053	1057	1049	493
35°	951	950	934	902	898	597
45°	810	803	764	724	712	625
55°	636	616	565	531	513	568
65°	444	411	357	319	307	440
75°	247	202	150	119	106	259
85°	48	26	22	21	20	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1189.7	1189.7	1189.7	1189.7	1189.7
2.5°	1196.7	1192.5	1191.1	1196.0	1184.0
5°	1193.9	1189.7	1184.0	1186.8	1189.0
7.5°	1185.4	1181.9	1174.1	1180.4	1174.1
10°	1176.9	1173.4	1167.7	1169.8	1162.7
12.5°	1168.4	1159.9	1158.5	1159.9	1154.9
15°	1149.3	1152.1	1140.1	1138.6	1137.9
17.5°	1140.1	1133.0	1120.2	1120.9	1119.5
20°	1118.8	1110.3	1101.1	1099.7	1096.8
22.5°	1096.8	1086.9	1078.4	1082.7	1076.3
25°	1068.5	1067.1	1052.9	1057.2	1049.4
27.5°	1043.7	1038.7	1032.4	1023.1	1011.8
30°	1016.8	1011.8	1005.4	981.3	972.8
32.5°	988.4	982.8	970.0	941.7	932.5
35°	950.9	949.5	933.9	902.0	897.7
37.5°	922.5	906.9	894.2	861.6	849.6
40°	888.5	880.0	850.3	819.1	803.5
42.5°	851.0	841.1	807.0	773.7	756.7
45°	809.9	802.8	764.5	724.1	712.1
47.5°	767.4	761.0	715.6	676.7	661.1
50°	726.3	718.5	663.9	626.4	612.2
52.5°	681.6	668.9	615.0	578.2	564.7
55°	635.6	616.4	564.7	531.4	513.0
57.5°	586.7	569.0	511.6	476.9	462.0
60°	544.2	519.4	460.6	425.1	406.0
62.5°	489.6	468.4	412.4	370.6	361.4
65°	444.3	411.0	357.1	318.8	306.8
67.5°	398.2	359.2	304.7	265.7	259.3
70°	347.9	307.5	251.5	213.3	202.6
72.5°	296.9	257.2	202.6	162.3	155.9
75°	247.3	201.9	150.2	119.0	105.6
77.5°	193.4	152.3	105.6	73.0	64.5
80°	143.8	102.7	60.9	43.2	42.5
82.5°	94.2	59.5	32.6	33.3	31.9
85°	48.2	25.5	22.0	21.3	20.5
87.5°	9.2	9.9	10.6	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)