

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: P1050351

Luminaire Tested: PTR-14-40-PP3-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PP3-L935-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

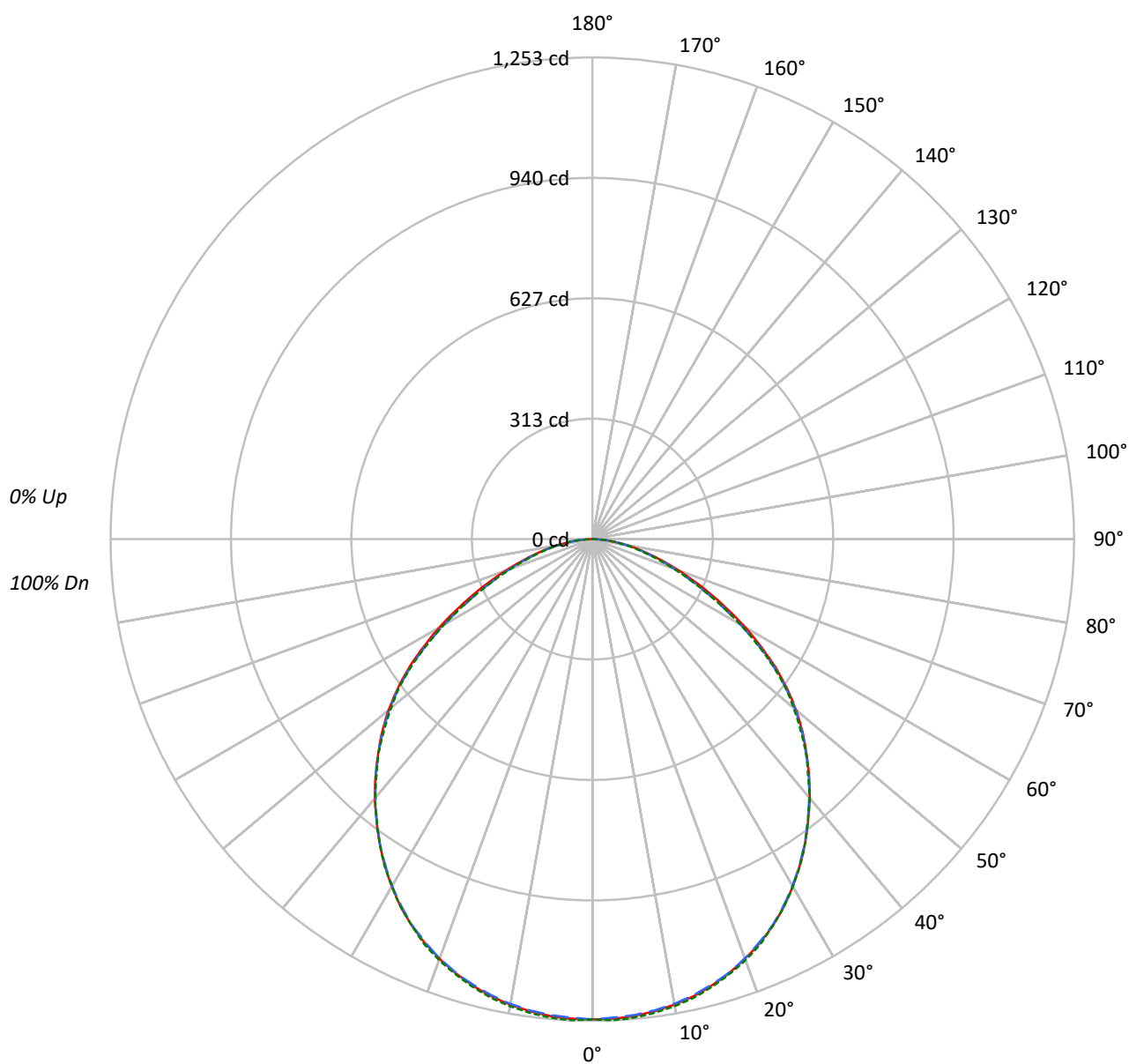
Lumens per Lamp: N/A
Luminaire Lumens: 3227.3 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3361	3361	3361
5°	3364	3357	3375
10°	3360	3354	3371
15°	3349	3342	3357
20°	3326	3324	3338
25°	3297	3291	3295
30°	3241	3235	3241
35°	3171	3166	3169
40°	3090	3080	3088
45°	2997	2988	2992
50°	2897	2883	2862
55°	2727	2695	2686
60°	2475	2391	2396
65°	2173	2064	2061
70°	1880	1794	1773
75°	1625	1566	1531
80°	1440	1420	1356
85°	1189	1232	1161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.7
10°-20°	339.4	10.5
20°-30°	510.9	15.8
30°-40°	603.0	18.7
40°-50°	606.5	18.8
50°-60°	512.0	15.9
60°-70°	328.8	10.2
70°-80°	163.5	5.1
80°-90°	44.8	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°	968.7	30.0
0°-40°	1571.7	48.7
0°-60°	2690.1	83.4
0°-90°	3227.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3227.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1249	1249	1249	1249	1249	
5°	1245	1246	1243	1249	1249	118
15°	1202	1202	1200	1205	1205	339
25°	1110	1111	1108	1111	1110	511
35°	965	966	964	965	965	603
45°	788	790	785	786	786	608
55°	581	581	574	572	573	517
65°	341	336	324	321	324	340
75°	156	156	151	149	147	169
85°	38	40	40	38	38	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.1	1249.1	1249.1	1249.1	1249.1
2.5°	1248.6	1249.1	1245.8	1251.7	1252.7
5°	1245.4	1245.8	1242.6	1248.6	1249.4
7.5°	1239.0	1239.5	1236.7	1242.1	1243.1
10°	1229.5	1230.9	1227.6	1232.8	1233.6
12.5°	1217.8	1218.3	1215.0	1220.9	1221.9
15°	1202.0	1202.3	1199.6	1205.1	1205.1
17.5°	1183.7	1184.2	1182.3	1187.0	1186.5
20°	1161.6	1162.9	1160.6	1163.7	1165.5
22.5°	1137.5	1138.0	1135.2	1139.3	1141.2
25°	1110.4	1110.7	1108.5	1110.7	1109.9
27.5°	1078.6	1079.4	1076.3	1078.6	1079.1
30°	1043.1	1045.4	1041.0	1042.8	1043.1
32.5°	1005.1	1006.4	1003.3	1003.8	1006.1
35°	965.2	965.7	963.9	964.7	964.7
37.5°	922.2	924.0	921.2	922.5	920.7
40°	879.6	877.7	876.8	877.7	879.1
42.5°	834.6	835.1	833.8	832.8	830.6
45°	787.5	790.3	785.2	786.1	786.1
47.5°	741.3	741.7	739.0	736.2	734.4
50°	691.9	691.9	688.6	686.5	683.7
52.5°	637.9	637.1	633.4	631.1	632.4
55°	581.2	580.7	574.5	572.1	572.6
57.5°	519.1	520.1	510.5	508.2	508.2
60°	459.8	455.2	444.3	441.2	445.1
62.5°	397.5	392.1	380.4	380.4	383.5
65°	341.3	336.4	324.2	320.9	323.7
67.5°	288.8	284.2	273.0	271.2	272.0
70°	238.9	234.9	228.0	223.9	225.4
72.5°	195.9	192.3	187.6	184.5	182.7
75°	156.3	155.5	150.6	149.1	147.3
77.5°	123.7	123.4	119.3	117.5	115.6
80°	92.9	92.4	91.6	88.8	87.5
82.5°	66.2	66.2	65.7	63.4	62.1
85°	38.5	39.9	39.9	37.6	37.6
87.5°	15.5	16.3	15.5	15.5	15.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)