

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: P1050205

Luminaire Tested: PTR-14-40-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PC3-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

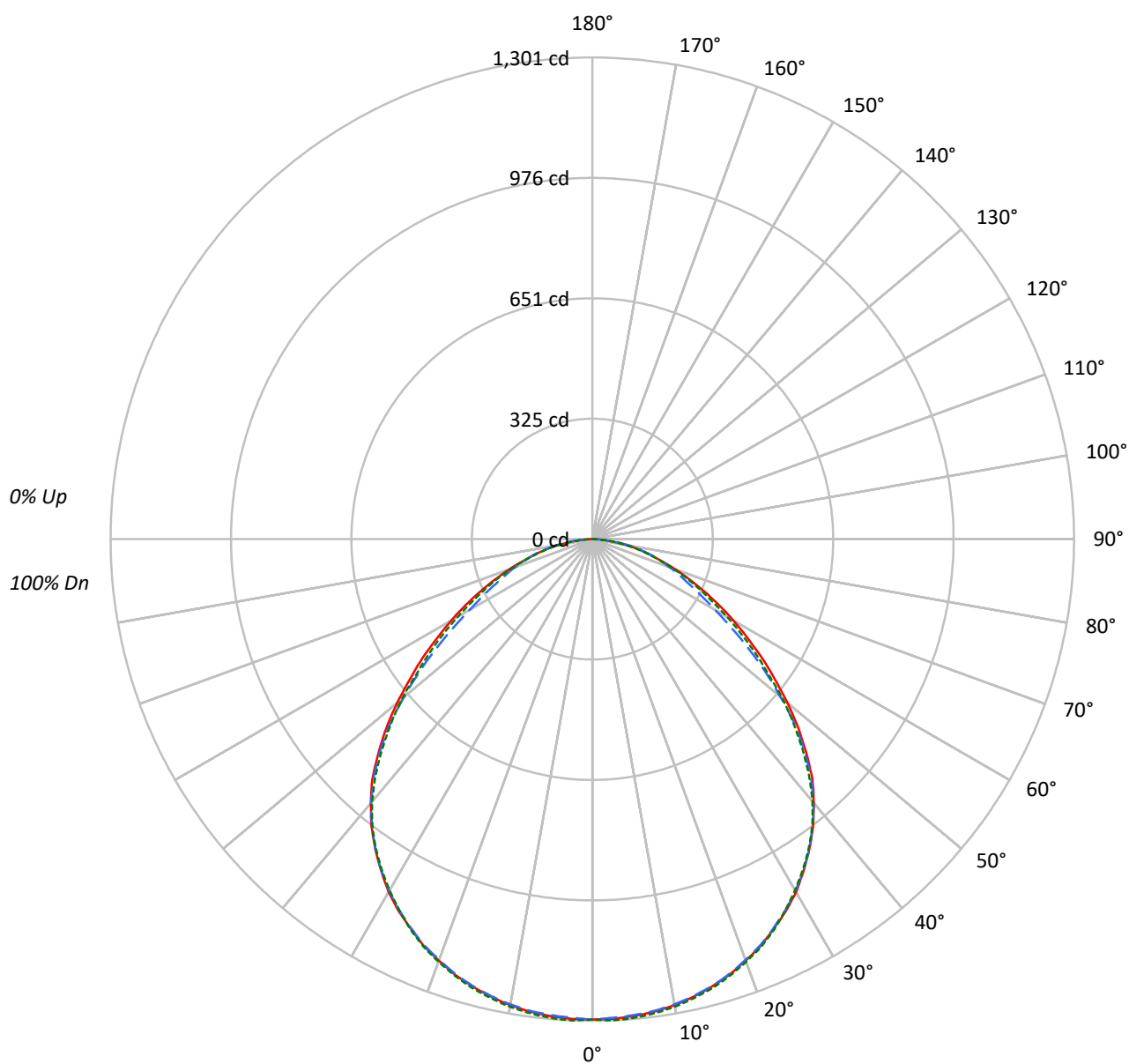
Lumens per Lamp: N/A
Luminaire Lumens: 3271.5 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3492	3492	3492
5°	3493	3487	3507
10°	3493	3486	3505
15°	3484	3481	3496
20°	3469	3463	3479
25°	3445	3440	3453
30°	3420	3408	3402
35°	3358	3354	3348
40°	3269	3264	3249
45°	3109	3086	3054
50°	2877	2781	2812
55°	2626	2413	2521
60°	2368	2059	2258
65°	2117	1841	2031
70°	1877	1742	1825
75°	1660	1688	1627
80°	1432	1612	1424
85°	1071	1275	1071

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.8
10°-20°	353.3	10.8
20°-30°	534.9	16.3
30°-40°	637.7	19.5
40°-50°	623.1	19.0
50°-60°	476.4	14.6
60°-70°	305.9	9.4
70°-80°	170.2	5.2
80°-90°	47.0	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°	1011.2	30.9
0°-40°	1648.9	50.4
0°-60°	2748.4	84.0
0°-90°	3271.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3271.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1293	1294	1291	1297	1298	123
15°	1251	1252	1249	1254	1255	353
25°	1160	1162	1158	1162	1163	535
35°	1022	1023	1021	1021	1019	639
45°	817	819	811	809	802	629
55°	560	540	514	521	537	500
65°	332	307	289	299	319	331
75°	160	161	162	160	156	171
85°	35	41	41	40	35	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.6	1297.6	1297.6	1297.6	1297.6
2.5°	1296.8	1297.3	1293.9	1299.5	1301.3
5°	1293.1	1293.9	1290.7	1296.8	1298.1
7.5°	1287.5	1288.4	1285.1	1291.2	1291.7
10°	1278.2	1278.7	1275.9	1281.9	1282.8
12.5°	1265.8	1267.1	1263.9	1269.5	1269.8
15°	1250.7	1251.8	1249.4	1253.6	1255.0
17.5°	1233.2	1233.7	1231.4	1235.9	1236.4
20°	1211.3	1211.3	1209.4	1214.7	1214.7
22.5°	1189.0	1187.7	1187.2	1189.0	1191.9
25°	1160.4	1161.7	1158.5	1162.2	1163.1
27.5°	1132.5	1132.5	1129.7	1131.5	1129.2
30°	1100.5	1098.6	1096.8	1097.1	1094.9
32.5°	1061.9	1061.9	1061.0	1061.0	1058.2
35°	1022.1	1022.9	1021.1	1020.6	1019.2
37.5°	979.2	980.8	977.4	976.5	975.5
40°	930.5	930.5	929.2	927.3	924.9
42.5°	879.9	879.9	874.0	869.3	866.1
45°	816.9	818.7	810.8	808.9	802.5
47.5°	754.1	752.8	742.2	740.8	737.1
50°	687.3	679.4	664.2	668.3	671.7
52.5°	620.6	610.8	588.5	593.1	598.6
55°	559.7	540.3	514.3	520.7	537.4
57.5°	496.1	470.1	444.2	456.3	477.1
60°	440.0	410.8	382.5	395.4	419.6
62.5°	386.2	355.1	332.4	344.9	365.3
65°	332.4	306.7	289.2	298.8	318.9
67.5°	283.1	265.9	254.0	258.5	274.7
70°	238.6	227.8	221.4	222.8	232.0
72.5°	196.3	193.6	191.2	191.2	192.1
75°	159.7	161.0	162.4	160.2	156.5
77.5°	125.8	130.4	133.7	129.0	124.5
80°	92.4	99.8	104.0	98.8	91.9
82.5°	63.1	71.5	72.8	69.6	61.7
85°	34.7	40.8	41.3	40.0	34.7
87.5°	13.0	15.3	16.7	15.3	13.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)