

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: P1050350

Luminaire Tested: PTR-14-40-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050350
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-L930-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

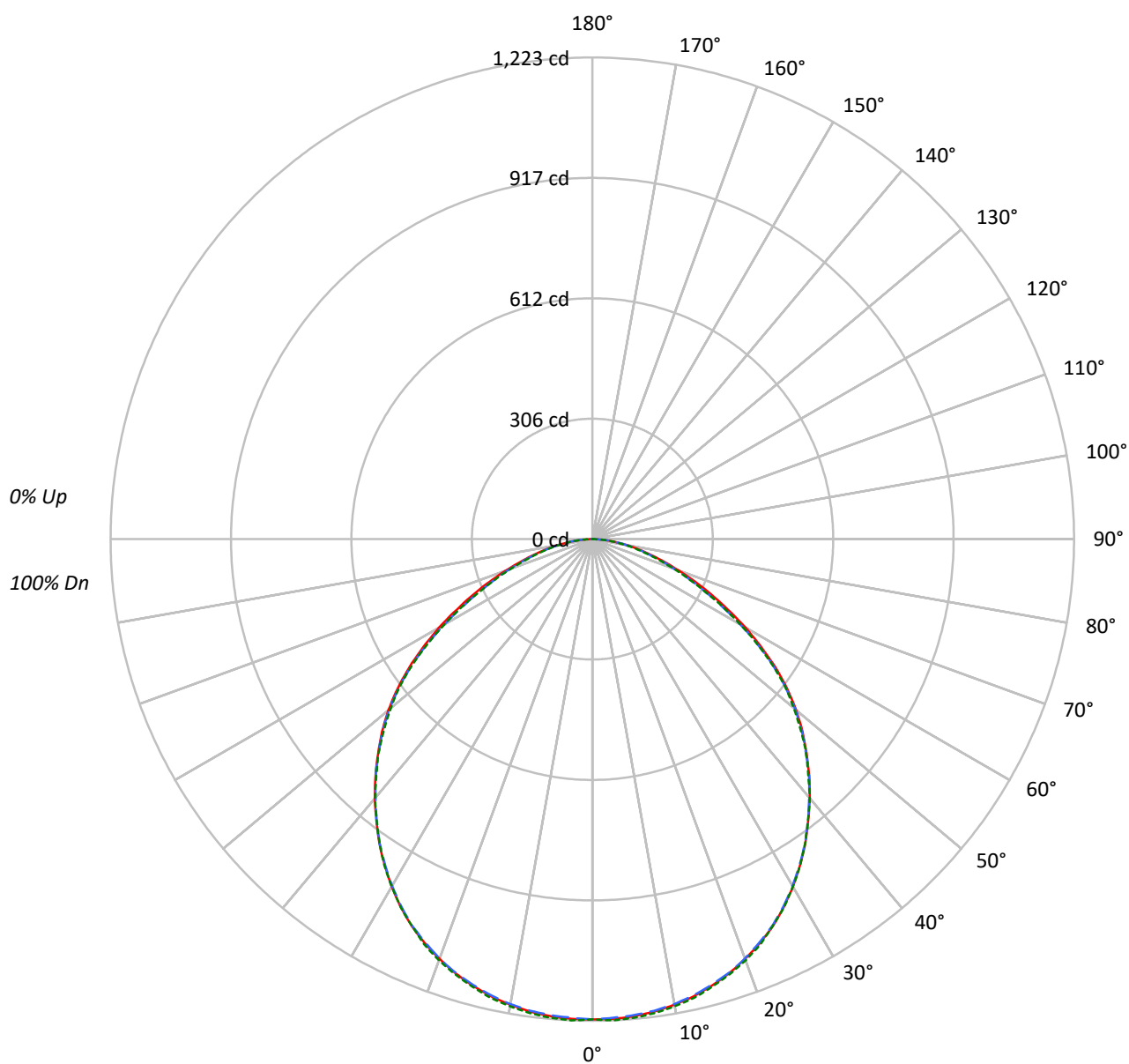
Lumens per Lamp: N/A
Luminaire Lumens: 3151.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3282	3282	3282
5°	3285	3278	3296
10°	3280	3276	3292
15°	3270	3263	3278
20°	3248	3245	3259
25°	3219	3214	3218
30°	3165	3159	3165
35°	3096	3092	3095
40°	3017	3007	3015
45°	2926	2918	2921
50°	2828	2815	2795
55°	2662	2632	2624
60°	2416	2335	2340
65°	2122	2016	2013
70°	1836	1751	1732
75°	1588	1528	1495
80°	1406	1385	1323
85°	1161	1201	1133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2937 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	3.7
10°-20°	331.4	10.5
20°-30°	498.9	15.8
30°-40°	588.8	18.7
40°-50°	592.2	18.8
50°-60°	499.9	15.9
60°-70°	321.1	10.2
70°-80°	159.7	5.1
80°-90°	43.7	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°	945.9	30.0
0°-40°	1534.7	48.7
0°-60°	2626.8	83.4
0°-90°	3151.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3151.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1216	1216	1213	1219	1220	116
15°	1174	1174	1171	1177	1177	331
25°	1084	1084	1082	1084	1084	499
35°	942	943	941	942	942	589
45°	769	772	767	768	768	593
55°	568	567	561	559	559	505
65°	333	328	317	313	316	332
75°	153	152	147	146	144	165
85°	38	39	39	37	37	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1219.7	1219.7	1219.7	1219.7	1219.7
2.5°	1219.2	1219.7	1216.5	1222.3	1223.2
5°	1216.1	1216.5	1213.4	1219.2	1220.0
7.5°	1209.9	1210.3	1207.6	1212.9	1213.9
10°	1200.5	1202.0	1198.8	1203.8	1204.6
12.5°	1189.1	1189.6	1186.4	1192.2	1193.1
15°	1173.7	1174.0	1171.4	1176.7	1176.7
17.5°	1155.8	1156.3	1154.5	1159.0	1158.5
20°	1134.3	1135.5	1133.3	1136.3	1138.1
22.5°	1110.8	1111.3	1108.5	1112.5	1114.3
25°	1084.2	1084.5	1082.5	1084.5	1083.7
27.5°	1053.2	1054.0	1050.9	1053.2	1053.7
30°	1018.6	1020.8	1016.5	1018.3	1018.6
32.5°	981.4	982.7	979.7	980.1	982.4
35°	942.5	943.0	941.2	942.0	942.0
37.5°	900.5	902.3	899.6	900.8	899.1
40°	858.9	857.1	856.1	857.1	858.4
42.5°	814.9	815.4	814.1	813.2	811.1
45°	768.9	771.7	766.7	767.6	767.6
47.5°	723.9	724.2	721.6	718.9	717.1
50°	675.6	675.6	672.4	670.3	667.6
52.5°	622.9	622.1	618.5	616.3	617.6
55°	567.5	567.0	560.9	558.7	559.2
57.5°	506.9	507.8	498.5	496.3	496.3
60°	449.0	444.5	433.9	430.8	434.7
62.5°	388.2	382.9	371.4	371.4	374.5
65°	333.3	328.5	316.6	313.4	316.1
67.5°	282.0	277.5	266.6	264.8	265.6
70°	233.3	229.4	222.6	218.6	220.1
72.5°	191.3	187.7	183.2	180.2	178.4
75°	152.7	151.9	147.0	145.6	143.8
77.5°	120.8	120.5	116.5	114.7	112.9
80°	90.7	90.2	89.4	86.7	85.4
82.5°	64.7	64.7	64.2	61.9	60.6
85°	37.6	38.9	38.9	36.7	36.7
87.5°	15.1	15.9	15.1	15.1	14.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)