

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: P1050190

Luminaire Tested: PTR-14-30-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050190
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-14-30-PC3-L940-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

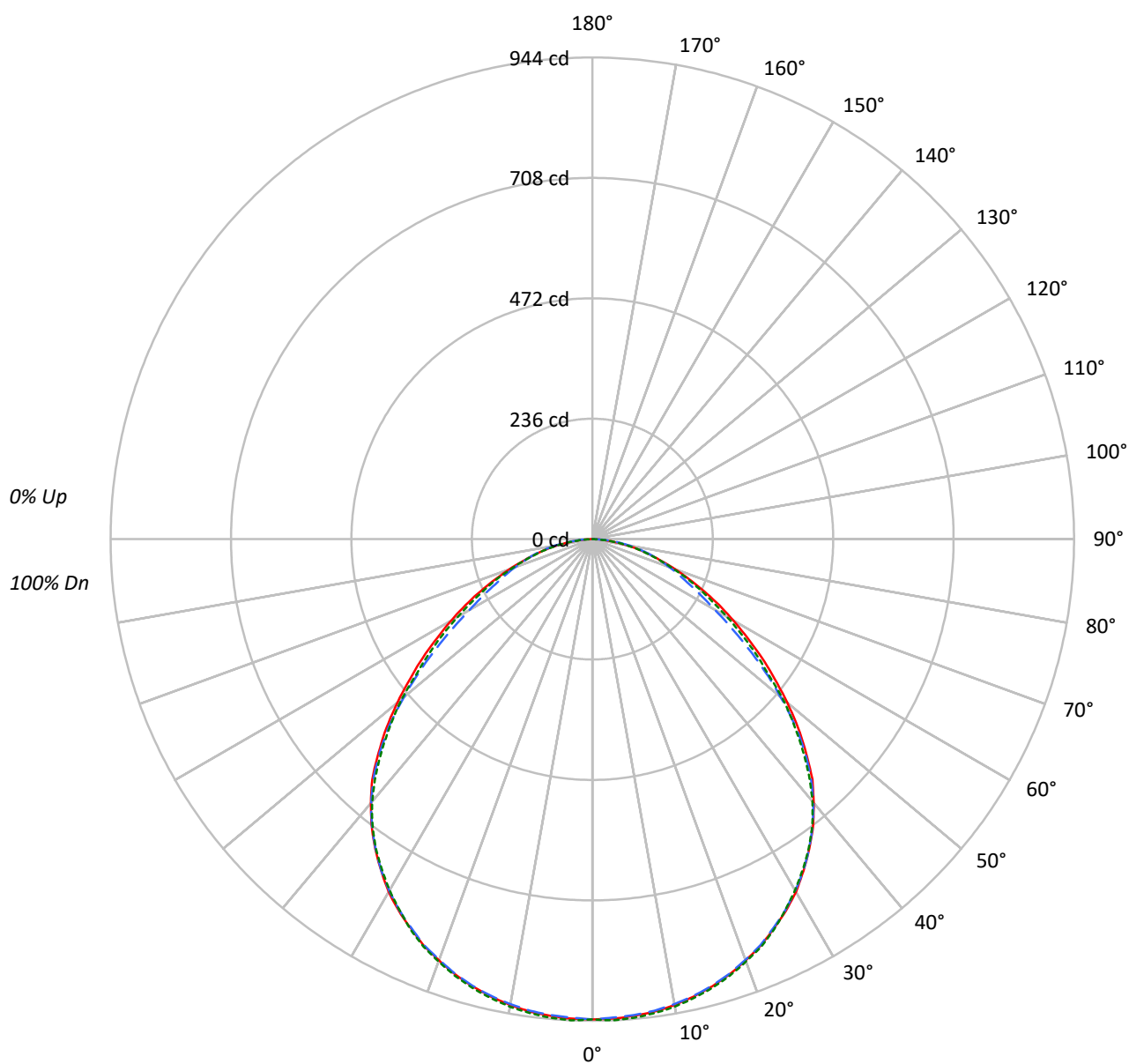
Lumens per Lamp: N/A
Luminaire Lumens: 2373.1 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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

TEST NUMBER: P1050190

CATALOG NUMBER: PTR-14-30-PC3-L940-UNV-STD-W

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°	2533	2533	2533
5°	2534	2529	2544
10°	2534	2529	2543
15°	2528	2525	2536
20°	2516	2512	2523
25°	2499	2495	2505
30°	2481	2472	2468
35°	2436	2433	2429
40°	2371	2368	2357
45°	2255	2238	2215
50°	2087	2017	2040
55°	1905	1750	1829
60°	1717	1493	1638
65°	1535	1336	1473
70°	1362	1264	1324
75°	1204	1225	1180
80°	1038	1170	1034
85°	778	926	778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2260 cd/sqm

TEST NUMBER: P1050190

CATALOG NUMBER: PTR-14-30-PC3-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.8
10°-20°	256.3	10.8
20°-30°	388.0	16.3
30°-40°	462.6	19.5
40°-50°	452.0	19.0
50°-60°	345.6	14.6
60°-70°	221.9	9.4
70°-80°	123.4	5.2
80°-90°	34.1	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°	733.5	30.9
0°-40°	1196.1	50.4
0°-60°	1993.7	84.0
0°-90°	2373.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2373.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	938	939	936	941	942	89
15°	907	908	906	909	910	256
25°	842	843	840	843	844	388
35°	741	742	741	740	739	463
45°	592	594	588	587	582	456
55°	406	392	373	378	390	363
65°	241	222	210	217	231	240
75°	116	117	118	116	114	124
85°	25	30	30	29	25	31
90°	0	0	0	0	0	

TEST NUMBER: P1050190

CATALOG NUMBER: PTR-14-30-PC3-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.3	941.3	941.3	941.3	941.3
2.5°	940.7	941.0	938.6	942.6	944.0
5°	938.0	938.6	936.3	940.7	941.7
7.5°	934.0	934.6	932.2	936.6	937.0
10°	927.2	927.6	925.5	929.9	930.5
12.5°	918.2	919.2	916.8	920.9	921.1
15°	907.3	908.0	906.3	909.4	910.3
17.5°	894.6	894.9	893.2	896.5	896.9
20°	878.7	878.7	877.3	881.1	881.1
22.5°	862.5	861.5	861.2	862.5	864.6
25°	841.7	842.7	840.4	843.1	843.7
27.5°	821.5	821.5	819.5	820.8	819.1
30°	798.3	796.9	795.6	795.8	794.3
32.5°	770.3	770.3	769.7	769.7	767.6
35°	741.4	742.0	740.7	740.3	739.3
37.5°	710.3	711.4	709.0	708.4	707.7
40°	675.0	675.0	674.0	672.7	671.0
42.5°	638.3	638.3	634.0	630.6	628.3
45°	592.5	593.9	588.1	586.8	582.1
47.5°	547.0	546.1	538.4	537.4	534.7
50°	498.6	492.8	481.8	484.8	487.2
52.5°	450.2	443.1	426.9	430.2	434.3
55°	406.0	391.9	373.1	377.7	389.9
57.5°	359.9	341.0	322.2	331.0	346.1
60°	319.1	298.0	277.4	286.9	304.3
62.5°	280.1	257.6	241.1	250.2	265.0
65°	241.1	222.5	209.8	216.8	231.3
67.5°	205.4	192.9	184.2	187.5	199.3
70°	173.1	165.3	160.6	161.6	168.3
72.5°	142.4	140.4	138.7	138.7	139.3
75°	115.8	116.8	117.8	116.2	113.5
77.5°	91.3	94.6	97.0	93.6	90.3
80°	67.0	72.4	75.5	71.7	66.7
82.5°	45.7	51.9	52.8	50.5	44.8
85°	25.2	29.6	30.0	29.0	25.2
87.5°	9.4	11.1	12.1	11.1	9.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)