

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: P1050609

Luminaire Tested: 24PTR-30-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30-PB1-L940-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

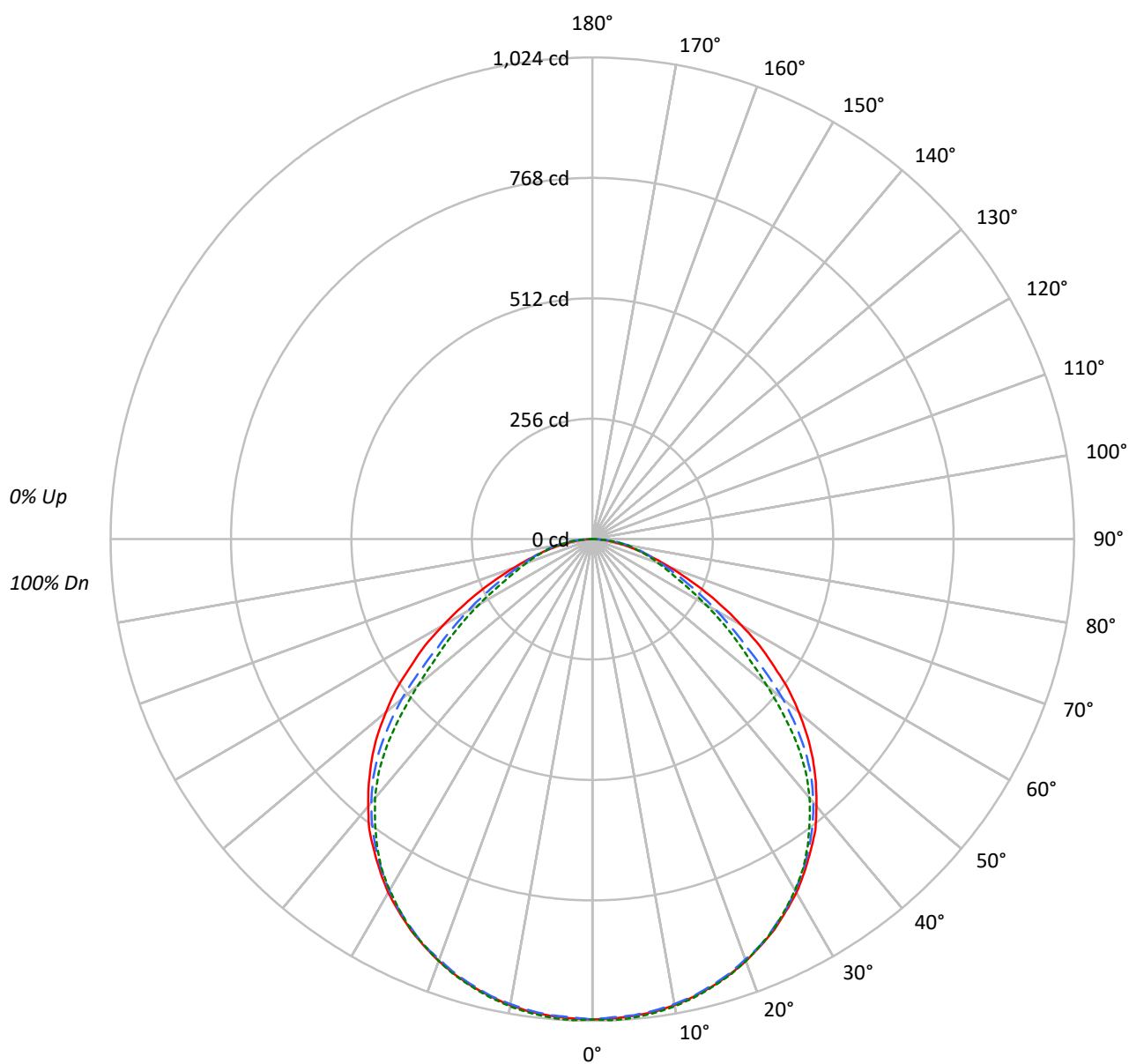
Lumens per Lamp: N/A
Luminaire Lumens: 2546.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1374	1374	1374
5°	1374	1372	1379
10°	1375	1371	1378
15°	1372	1368	1373
20°	1367	1362	1367
25°	1359	1354	1357
30°	1348	1341	1339
35°	1328	1318	1310
40°	1302	1284	1262
45°	1262	1221	1171
50°	1199	1107	1012
55°	1105	940	872
60°	984	822	747
65°	844	712	636
70°	697	628	583
75°	587	600	568
80°	497	613	584
85°	389	621	543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.8
10°-20°	277.8	10.9
20°-30°	420.8	16.5
30°-40°	501.5	19.7
40°-50°	490.4	19.3
50°-60°	370.9	14.6
60°-70°	227.9	9.0
70°-80°	121.4	4.8
80°-90°	38.7	1.5
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°	795.5	31.2
0°-40°	1296.9	50.9
0°-60°	2158.2	84.8
0°-90°	2546.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1017	1019	1016	1020	1021	97
15°	985	986	982	986	986	278
25°	916	914	912	913	914	422
35°	809	808	803	799	798	506
45°	663	659	642	620	615	510
55°	471	447	401	378	372	422
65°	265	244	224	206	200	264
75°	113	114	116	112	109	121
85°	25	33	40	38	35	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	1019.9	1021.1	1017.3	1022.5	1023.6
5°	1017.3	1018.6	1016.1	1019.9	1021.1
7.5°	1013.6	1013.6	1011.1	1014.8	1016.1
10°	1006.1	1006.1	1003.6	1007.3	1008.6
12.5°	996.1	996.1	994.8	997.3	998.6
15°	984.7	985.9	982.2	985.9	985.9
17.5°	970.9	969.7	968.4	970.9	972.2
20°	954.5	954.5	950.9	953.4	954.5
22.5°	935.7	935.7	934.5	935.7	934.5
25°	915.6	914.3	911.8	913.1	914.3
27.5°	891.8	891.8	889.3	889.3	888.0
30°	867.9	866.6	862.9	860.4	861.6
32.5°	839.0	837.7	834.0	831.5	832.7
35°	808.8	807.7	802.6	798.8	797.6
37.5°	778.8	774.9	768.6	763.6	758.6
40°	741.1	737.2	731.0	719.7	718.4
42.5°	703.3	699.7	689.5	675.8	672.0
45°	663.1	659.4	641.8	620.4	615.4
47.5°	620.4	614.2	586.5	560.1	550.1
50°	572.8	561.5	528.8	494.9	483.5
52.5°	526.3	506.2	463.5	433.3	422.1
55°	471.0	447.1	400.7	378.0	371.7
57.5°	422.1	389.4	351.7	329.1	324.1
60°	365.5	335.3	305.3	285.1	277.6
62.5°	314.0	287.6	262.5	244.9	236.2
65°	265.0	243.7	223.6	206.0	199.8
67.5°	217.3	206.0	189.6	175.9	172.1
70°	177.1	170.8	159.6	153.2	148.2
72.5°	140.7	143.2	135.7	133.2	129.4
75°	113.0	114.3	115.5	111.8	109.3
77.5°	85.4	91.6	96.7	94.1	91.6
80°	64.1	70.3	79.1	75.4	75.4
82.5°	43.9	51.6	59.1	56.6	55.2
85°	25.2	32.7	40.2	37.7	35.2
87.5°	10.0	16.4	17.5	17.5	16.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)