

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: P1050872

Luminaire Tested: 24PTR-20-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050872
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: 24PTR-20-PP3-L840-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

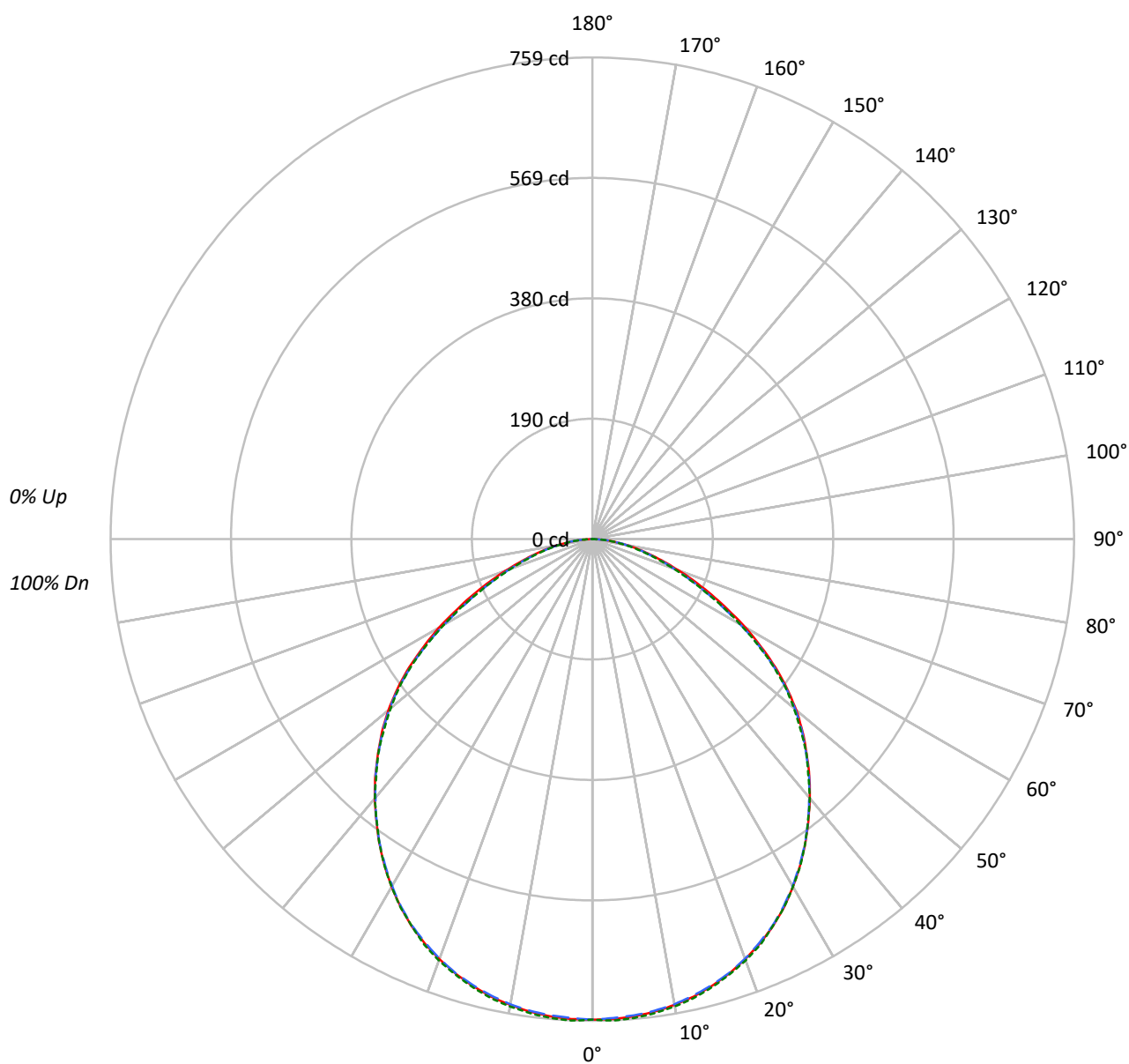
Lumens per Lamp: N/A
Luminaire Lumens: 1956.5 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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°	1019	1019	1019
5°	1020	1017	1023
10°	1018	1017	1022
15°	1015	1013	1018
20°	1008	1007	1012
25°	999	998	999
30°	983	981	983
35°	961	960	961
40°	937	934	936
45°	908	906	907
50°	878	874	868
55°	826	817	814
60°	750	725	726
65°	659	626	625
70°	570	544	537
75°	493	475	464
80°	436	430	411
85°	361	374	352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	3.7
10°-20°	205.7	10.5
20°-30°	309.7	15.8
30°-40°	365.6	18.7
40°-50°	367.7	18.8
50°-60°	310.4	15.9
60°-70°	199.3	10.2
70°-80°	99.1	5.1
80°-90°	27.2	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°	587.3	30.0
0°-40°	952.8	48.7
0°-60°	1630.9	83.4
0°-90°	1956.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	755	755	753	757	757	72
15°	729	729	727	731	731	206
25°	673	673	672	673	673	310
35°	585	585	584	585	585	366
45°	477	479	476	477	477	368
55°	352	352	348	347	347	313
65°	207	204	196	195	196	206
75°	95	94	91	90	89	103
85°	23	24	24	23	23	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.2	757.2	757.2	757.2	757.2
2.5°	756.9	757.2	755.2	758.8	759.4
5°	755.0	755.2	753.3	756.9	757.4
7.5°	751.1	751.4	749.7	753.0	753.6
10°	745.3	746.2	744.2	747.3	747.8
12.5°	738.3	738.6	736.6	740.1	740.7
15°	728.7	728.9	727.3	730.6	730.6
17.5°	717.6	717.9	716.8	719.6	719.3
20°	704.2	705.0	703.6	705.5	706.6
22.5°	689.6	689.9	688.2	690.7	691.8
25°	673.1	673.3	672.0	673.3	672.8
27.5°	653.9	654.4	652.5	653.9	654.2
30°	632.4	633.8	631.1	632.2	632.4
32.5°	609.3	610.1	608.2	608.5	609.9
35°	585.1	585.4	584.3	584.8	584.8
37.5°	559.1	560.2	558.5	559.3	558.2
40°	533.2	532.1	531.5	532.1	532.9
42.5°	506.0	506.2	505.5	504.9	503.6
45°	477.4	479.1	476.0	476.6	476.6
47.5°	449.4	449.6	448.0	446.3	445.2
50°	419.5	419.5	417.5	416.2	414.5
52.5°	386.7	386.2	384.0	382.6	383.4
55°	352.3	352.0	348.3	346.9	347.2
57.5°	314.7	315.3	309.5	308.1	308.1
60°	278.7	275.9	269.4	267.5	269.9
62.5°	241.0	237.7	230.6	230.6	232.5
65°	206.9	203.9	196.5	194.6	196.2
67.5°	175.1	172.3	165.5	164.4	164.9
70°	144.8	142.4	138.2	135.7	136.6
72.5°	118.7	116.6	113.8	111.9	110.8
75°	94.8	94.3	91.3	90.4	89.3
77.5°	75.0	74.8	72.3	71.2	70.1
80°	56.3	56.0	55.5	53.8	53.0
82.5°	40.1	40.1	39.8	38.5	37.7
85°	23.4	24.2	24.2	22.8	22.8
87.5°	9.4	9.9	9.4	9.4	9.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)