

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: P1050476

Luminaire Tested: 24PTR-20-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

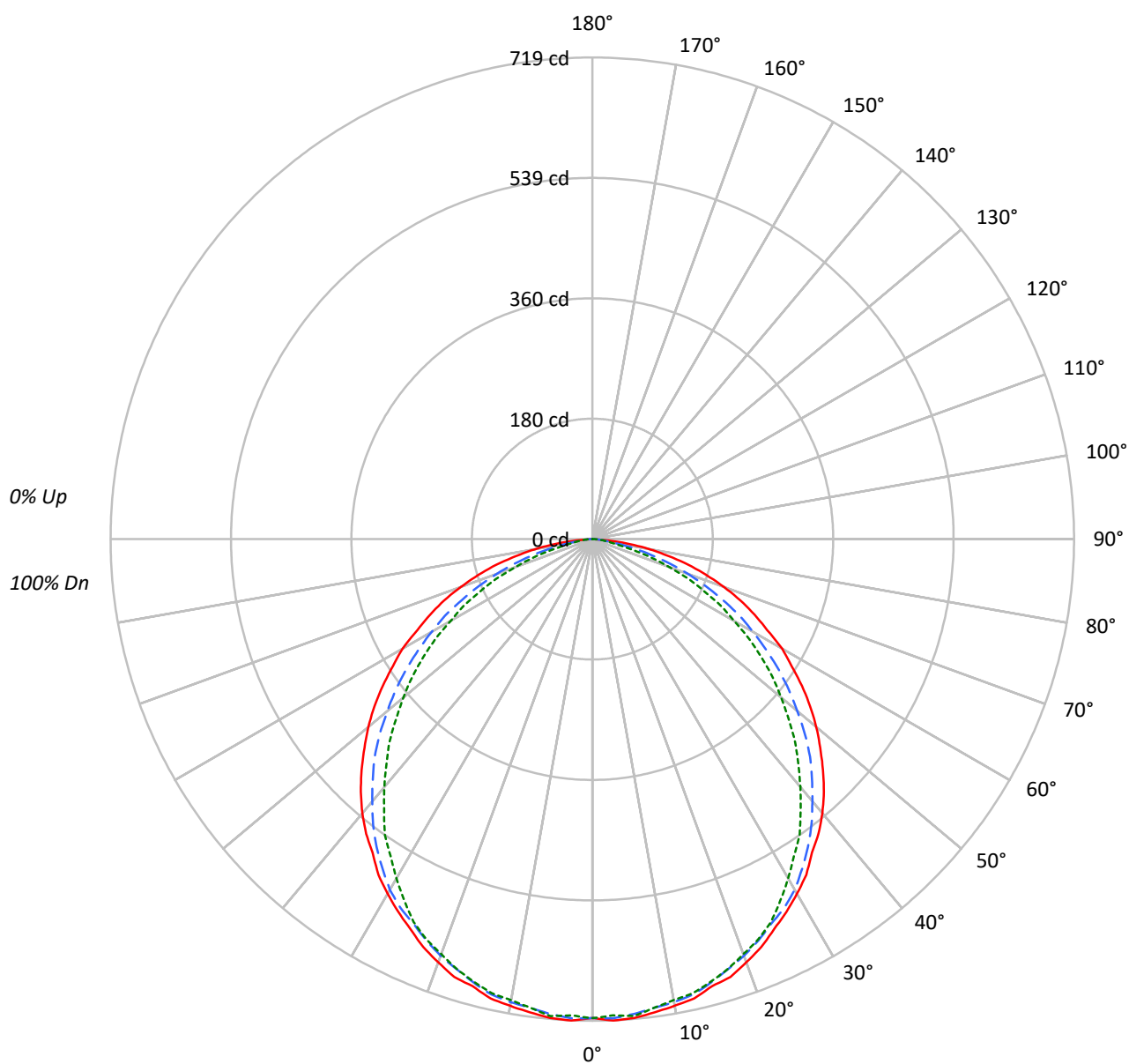
Lumens per Lamp: N/A
Luminaire Lumens: 1904.6 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	962	962	962
5°	969	961	965
10°	966	959	955
15°	962	954	953
20°	963	948	944
25°	953	939	936
30°	949	939	908
35°	939	922	886
40°	938	898	848
45°	926	874	814
50°	914	835	770
55°	896	796	723
60°	880	745	657
65°	850	683	587
70°	823	595	479
75°	773	469	330
80°	670	284	198
85°	448	204	191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	3.6
10°-20°	193.9	10.2
20°-30°	293.0	15.4
30°-40°	348.3	18.3
40°-50°	353.3	18.5
50°-60°	306.8	16.1
60°-70°	217.8	11.4
70°-80°	104.1	5.5
80°-90°	19.7	1.0
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°	554.7	29.1
0°-40°	903.0	47.4
0°-60°	1563.0	82.1
0°-90°	1904.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1904.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	715	715	715	715	715	
5°	718	715	712	713	715	68
15°	691	692	685	684	684	196
25°	642	641	633	635	631	297
35°	572	571	561	542	540	359
45°	487	482	460	435	428	375
55°	382	370	339	319	308	341
65°	267	247	215	192	184	264
75°	149	121	90	72	64	156
85°	29	15	13	13	12	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	715.0	715.0	715.0	715.0	715.0
2.5°	719.3	716.7	715.9	718.9	711.6
5°	717.6	715.0	711.6	713.3	714.6
7.5°	712.5	710.3	705.7	709.5	705.7
10°	707.4	705.2	701.8	703.1	698.8
12.5°	702.3	697.1	696.3	697.1	694.2
15°	690.8	692.5	685.2	684.4	683.9
17.5°	685.2	681.0	673.3	673.7	672.9
20°	672.4	667.3	661.8	660.9	659.2
22.5°	659.2	653.3	648.2	650.7	646.9
25°	642.2	641.4	632.8	635.4	630.7
27.5°	627.3	624.3	620.5	614.9	608.1
30°	611.1	608.1	604.3	589.8	584.7
32.5°	594.1	590.7	583.0	566.0	560.4
35°	571.5	570.7	561.3	542.1	539.6
37.5°	554.5	545.1	537.4	517.9	510.6
40°	534.0	528.9	511.0	492.3	482.9
42.5°	511.5	505.5	485.1	465.0	454.8
45°	486.8	482.5	459.5	435.2	428.0
47.5°	461.2	457.4	430.1	406.7	397.3
50°	436.5	431.8	399.0	376.5	367.9
52.5°	409.7	402.0	369.7	347.5	339.4
55°	382.0	370.5	339.4	319.4	308.3
57.5°	352.6	342.0	307.5	286.6	277.7
60°	327.1	312.2	276.8	255.5	244.0
62.5°	294.3	281.5	247.9	222.7	217.2
65°	267.0	247.0	214.6	191.6	184.4
67.5°	239.3	215.9	183.1	159.7	155.9
70°	209.1	184.8	151.2	128.2	121.8
72.5°	178.4	154.6	121.8	97.5	93.7
75°	148.6	121.4	90.3	71.5	63.5
77.5°	116.3	91.6	63.5	43.9	38.8
80°	86.5	61.8	36.6	26.0	25.6
82.5°	56.6	35.8	19.6	20.0	19.2
85°	29.0	15.3	13.2	12.8	12.4
87.5°	5.5	6.0	6.4	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)