

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: P1050630

Luminaire Tested: 24PTR-20-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050630
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: 24PTR-20-PC3-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

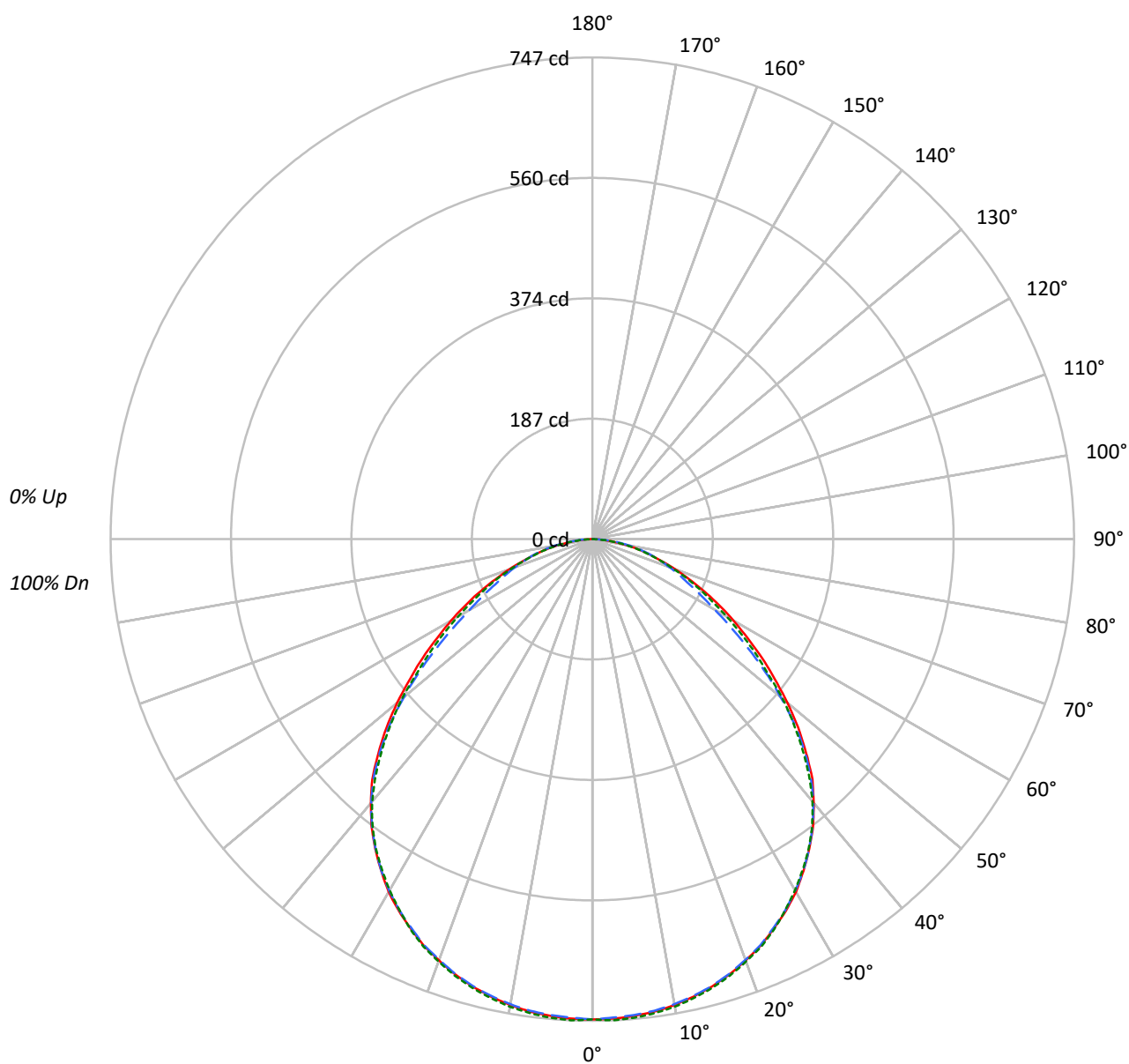
Lumens per Lamp: N/A
Luminaire Lumens: 1877.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1050630

CATALOG NUMBER: 24PTR-20-PC3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050630

CATALOG NUMBER: 24PTR-20-PC3-L835-UNV-STD-W

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1002	1002	1002
5°	1003	1001	1006
10°	1002	1001	1006
15°	1000	999	1003
20°	996	994	998
25°	989	987	991
30°	981	978	976
35°	964	963	961
40°	938	937	932
45°	892	886	877
50°	826	798	807
55°	754	692	724
60°	680	591	648
65°	607	528	583
70°	539	500	524
75°	477	485	467
80°	411	463	409
85°	307	366	307

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 894 cd/sqm

TEST NUMBER: P1050630

CATALOG NUMBER: 24PTR-20-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.8
10°-20°	202.8	10.8
20°-30°	307.0	16.3
30°-40°	366.0	19.5
40°-50°	357.7	19.0
50°-60°	273.5	14.6
60°-70°	175.6	9.4
70°-80°	97.7	5.2
80°-90°	27.0	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°	580.5	30.9
0°-40°	946.5	50.4
0°-60°	1577.6	84.0
0°-90°	1877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1877.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	742	743	741	744	745	71
15°	718	718	717	720	720	203
25°	666	667	665	667	668	307
35°	587	587	586	586	585	367
45°	469	470	465	464	461	361
55°	321	310	295	299	308	287
65°	191	176	166	172	183	190
75°	92	92	93	92	90	98
85°	20	23	24	23	20	25
90°	0	0	0	0	0	

TEST NUMBER: P1050630

CATALOG NUMBER: 24PTR-20-PC3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.9	744.9	744.9	744.9	744.9
2.5°	744.4	744.7	742.7	745.9	747.0
5°	742.3	742.7	740.9	744.4	745.2
7.5°	739.1	739.5	737.7	741.2	741.5
10°	733.7	734.0	732.4	735.9	736.4
12.5°	726.6	727.4	725.5	728.7	728.9
15°	718.0	718.5	717.2	719.6	720.4
17.5°	707.9	708.2	706.8	709.4	709.7
20°	695.3	695.3	694.2	697.2	697.2
22.5°	682.5	681.8	681.5	682.5	684.2
25°	666.1	666.9	665.0	667.1	667.6
27.5°	650.1	650.1	648.5	649.5	648.2
30°	631.7	630.6	629.6	629.8	628.5
32.5°	609.5	609.5	609.1	609.1	607.4
35°	586.7	587.2	586.1	585.8	585.1
37.5°	562.1	563.0	561.1	560.6	560.0
40°	534.1	534.1	533.4	532.3	530.9
42.5°	505.1	505.1	501.7	499.0	497.2
45°	468.9	470.0	465.4	464.3	460.7
47.5°	432.9	432.1	426.0	425.2	423.1
50°	394.6	390.0	381.3	383.6	385.6
52.5°	356.2	350.6	337.8	340.4	343.6
55°	321.3	310.1	295.2	298.9	308.5
57.5°	284.8	269.9	255.0	261.9	273.8
60°	252.6	235.8	219.5	227.0	240.8
62.5°	221.7	203.9	190.8	198.0	209.7
65°	190.8	176.1	166.0	171.5	183.0
67.5°	162.5	152.7	145.8	148.4	157.7
70°	137.0	130.8	127.1	127.9	133.2
72.5°	112.7	111.1	109.8	109.8	110.3
75°	91.7	92.4	93.2	92.0	89.8
77.5°	72.2	74.8	76.8	74.1	71.4
80°	53.0	57.3	59.7	56.7	52.8
82.5°	36.2	41.0	41.8	40.0	35.4
85°	19.9	23.4	23.7	22.9	19.9
87.5°	7.5	8.8	9.6	8.8	7.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)