

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: P1192863

Luminaire Tested: 24PT-20-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-20-PB1-L940
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

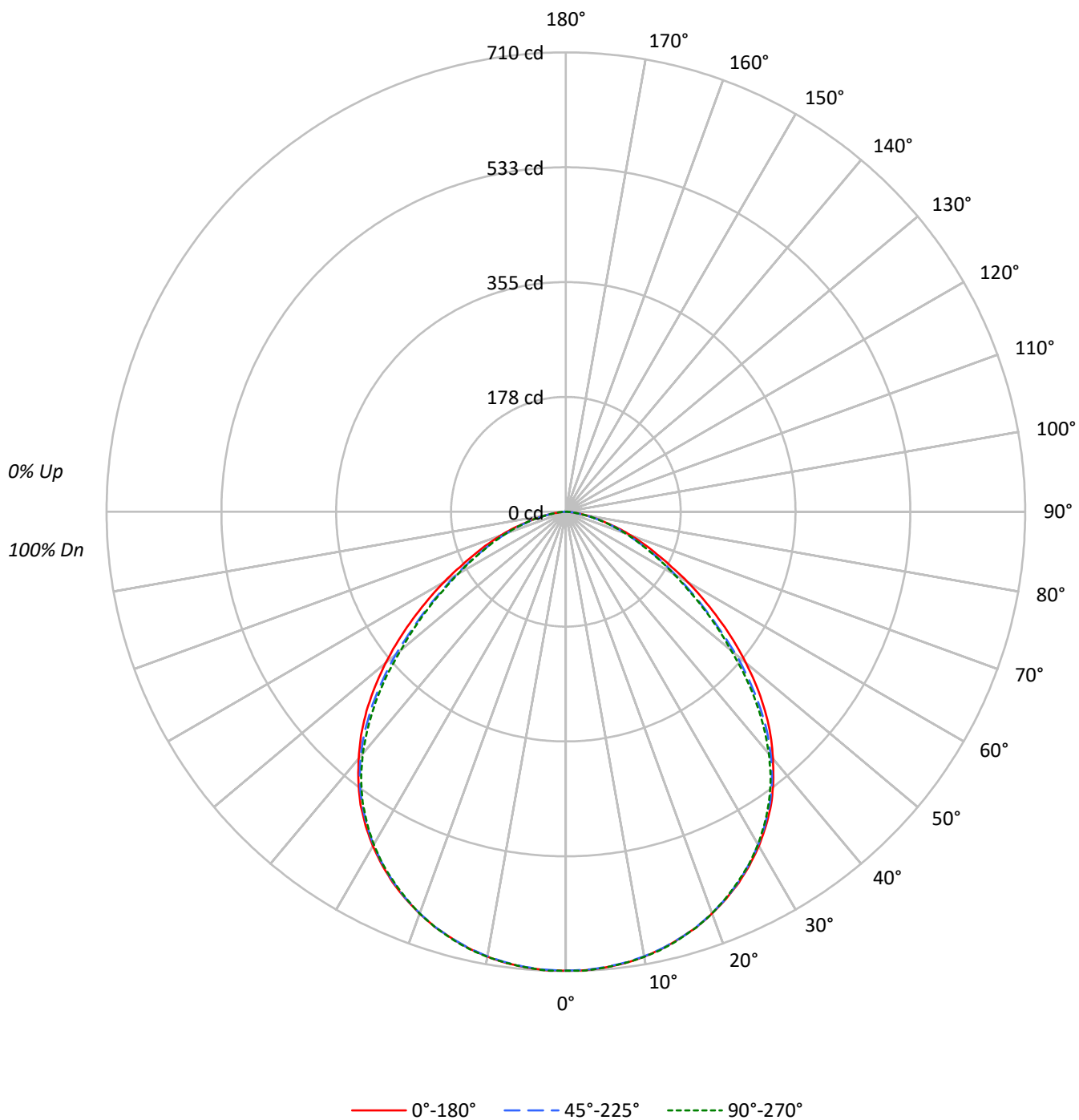
Lumens per Lamp: N/A
Luminaire Lumens: 1684.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1192863

CATALOG NUMBER: 24PT-20-PB1-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1192863

CATALOG NUMBER: 24PT-20-PB1-L940

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	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64		
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	58	55		
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	66	55	47	41	53	46	41	52	45	40	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34		
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1014	1014	1014
5°	1015	1014	1015
10°	1014	1013	1015
15°	1010	1010	1012
20°	1006	1005	1006
25°	998	996	995
30°	985	982	981
35°	965	960	956
40°	930	921	911
45°	881	855	841
50°	809	763	741
55°	719	655	646
60°	623	560	550
65°	526	480	474
70°	446	411	414
75°	350	335	338
80°	255	250	253
85°	156	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 881 cd/sqm

TEST NUMBER: P1192863

CATALOG NUMBER: 24PT-20-PB1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	4.0
10°-20°	192.6	11.4
20°-30°	290.8	17.3
30°-40°	342.9	20.4
40°-50°	325.8	19.3
50°-60°	240.4	14.3
60°-70°	145.1	8.6
70°-80°	66.4	3.9
80°-90°	13.0	0.8
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°	550.5	32.7
0°-40°	893.4	53.1
0°-60°	1459.5	86.7
0°-90°	1684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	707	707	706	706	707	67
15°	682	683	682	682	683	193
25°	633	632	631	630	630	291
35°	553	552	550	548	548	345
45°	436	433	423	417	416	335
55°	288	277	263	257	259	258
65°	155	150	142	139	140	156
75°	63	62	61	60	61	69
85°	10	10	10	10	10	13
90°	0	0	0	0	0	

TEST NUMBER: P1192863

CATALOG NUMBER: 24PT-20-PB1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.2	709.2	709.2	709.2	709.2
2.5°	709.2	709.2	708.6	708.1	709.7
5°	706.9	707.2	706.4	705.8	706.9
7.5°	703.6	703.6	702.7	702.2	703.3
10°	698.3	698.3	697.7	697.4	698.6
12.5°	691.3	691.6	691.0	690.7	692.1
15°	682.4	682.6	682.4	682.1	683.2
17.5°	672.9	673.1	672.6	671.7	672.9
20°	660.9	661.4	660.3	659.7	660.9
22.5°	647.4	648.0	646.9	646.3	646.3
25°	632.6	632.4	631.2	630.1	630.4
27.5°	615.3	615.6	613.9	612.8	613.6
30°	596.6	596.9	594.4	593.5	593.8
32.5°	575.7	575.4	573.1	571.8	571.8
35°	553.0	552.2	549.7	547.5	547.5
37.5°	526.8	526.2	523.4	520.6	519.8
40°	498.0	497.5	493.3	489.6	488.2
42.5°	468.4	466.7	460.0	454.4	453.0
45°	435.7	432.7	422.9	417.0	415.6
47.5°	400.5	396.6	383.2	376.5	376.0
50°	363.4	356.4	343.0	334.3	333.2
52.5°	326.0	315.9	300.5	294.1	295.8
55°	288.5	276.8	262.8	256.7	258.9
57.5°	252.2	239.9	227.9	221.8	223.2
60°	217.9	207.2	195.8	190.8	192.4
62.5°	184.1	177.4	167.6	163.1	165.4
65°	155.3	150.3	141.9	139.1	140.2
67.5°	130.2	126.2	119.0	116.8	118.4
70°	106.7	103.9	98.3	97.5	98.9
72.5°	84.4	82.7	79.6	78.2	79.0
75°	63.4	62.3	60.6	59.8	61.2
77.5°	45.8	45.0	44.4	44.4	44.7
80°	31.0	30.7	30.4	30.2	30.7
82.5°	19.0	19.0	19.0	19.0	19.3
85°	9.5	9.8	10.1	9.8	10.1
87.5°	3.1	3.4	3.6	3.6	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)