

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: P1192858

Luminaire Tested: 24PT-20-PB1-L835

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192858
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-L835
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

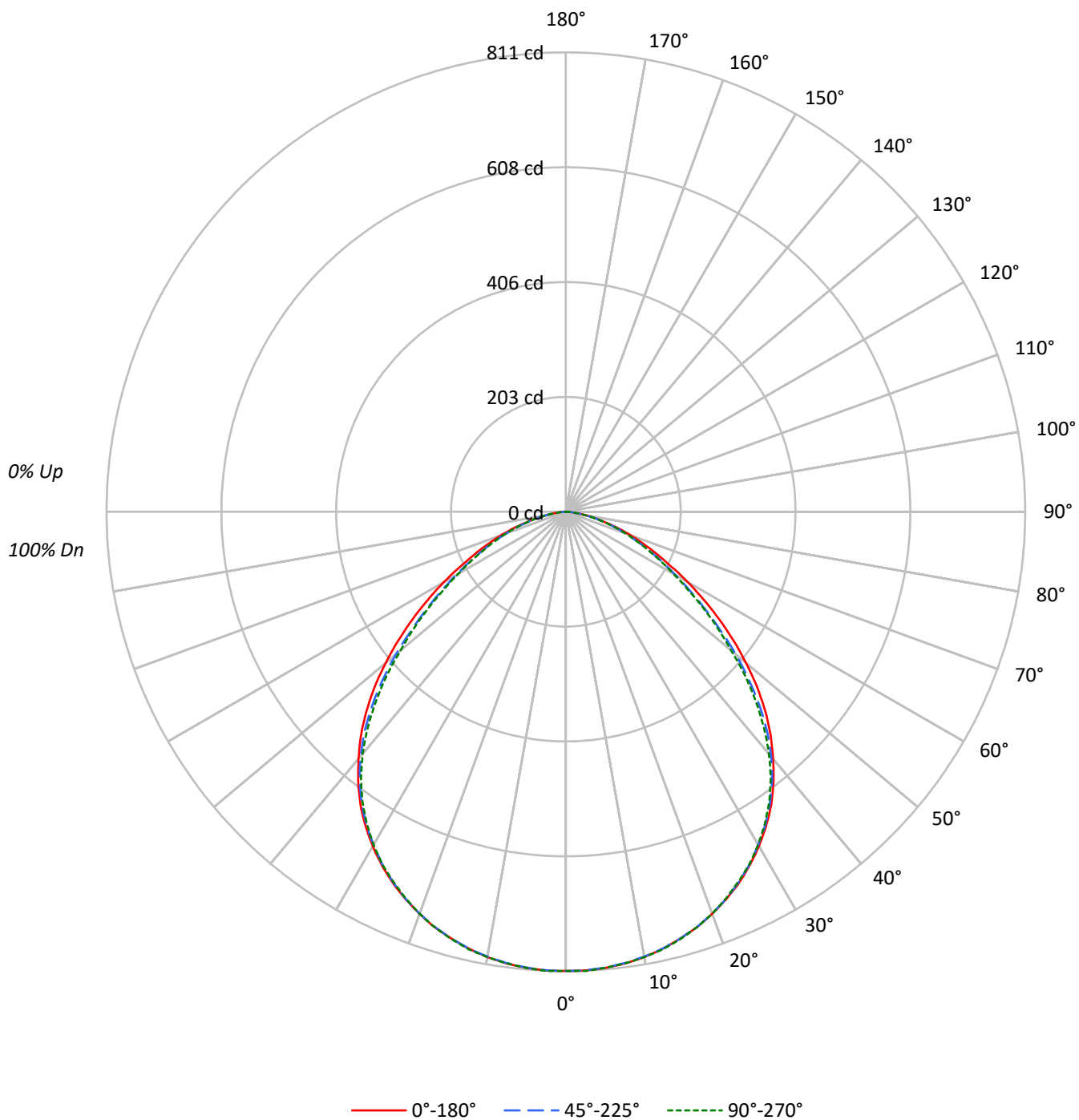
Lumens per Lamp: N/A
Luminaire Lumens: 1925.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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: P1192858

CATALOG NUMBER: 24PT-20-PB1-L835

Luminous Intensity Polar Plot



TEST NUMBER: P1192858

CATALOG NUMBER: 24PT-20-PB1-L835

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1159	1159	1159
5°	1160	1159	1160
10°	1159	1158	1160
15°	1155	1155	1156
20°	1150	1149	1150
25°	1141	1139	1137
30°	1126	1122	1121
35°	1104	1097	1093
40°	1063	1053	1042
45°	1007	978	961
50°	924	872	847
55°	822	749	738
60°	712	640	629
65°	601	549	542
70°	510	470	473
75°	401	383	386
80°	292	287	289
85°	179	189	189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1007 cd/sqm

TEST NUMBER: P1192858

CATALOG NUMBER: 24PT-20-PB1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	4.0
10°-20°	220.2	11.4
20°-30°	332.4	17.3
30°-40°	391.9	20.4
40°-50°	372.4	19.3
50°-60°	274.8	14.3
60°-70°	165.9	8.6
70°-80°	75.9	3.9
80°-90°	14.8	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°	629.3	32.7
0°-40°	1021.3	53.1
0°-60°	1668.4	86.7
0°-90°	1925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	811	811	811	811	811	
5°	808	808	808	807	808	77
15°	780	780	780	780	781	220
25°	723	723	722	720	721	333
35°	632	631	628	626	626	394
45°	498	495	483	477	475	382
55°	330	316	300	293	296	295
65°	178	172	162	159	160	178
75°	72	71	69	68	70	79
85°	11	11	12	11	12	15
90°	0	0	0	0	0	

TEST NUMBER: P1192858

CATALOG NUMBER: 24PT-20-PB1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	810.7	810.7	810.7	810.7	810.7
2.5°	810.7	810.7	810.0	809.4	811.3
5°	808.1	808.4	807.5	806.8	808.1
7.5°	804.3	804.3	803.3	802.7	804.0
10°	798.2	798.2	797.6	797.3	798.5
12.5°	790.2	790.5	789.9	789.6	791.2
15°	780.0	780.3	780.0	779.7	781.0
17.5°	769.2	769.5	768.8	767.9	769.2
20°	755.4	756.1	754.8	754.2	755.4
22.5°	740.1	740.7	739.5	738.8	738.8
25°	723.2	722.9	721.6	720.3	720.6
27.5°	703.4	703.7	701.8	700.5	701.5
30°	682.0	682.3	679.4	678.5	678.8
32.5°	658.0	657.7	655.2	653.6	653.6
35°	632.2	631.2	628.4	625.8	625.8
37.5°	602.2	601.5	598.3	595.1	594.2
40°	569.3	568.6	563.9	559.7	558.1
42.5°	535.4	533.5	525.9	519.5	517.9
45°	498.1	494.6	483.4	476.7	475.1
47.5°	457.9	453.4	438.1	430.4	429.8
50°	415.4	407.4	392.1	382.2	380.9
52.5°	372.6	361.1	343.6	336.2	338.1
55°	329.8	316.4	300.4	293.4	296.0
57.5°	288.3	274.3	260.5	253.5	255.1
60°	249.0	236.9	223.8	218.1	220.0
62.5°	210.4	202.7	191.6	186.5	189.0
65°	177.5	171.8	162.2	159.0	160.3
67.5°	148.8	144.3	136.0	133.5	135.4
70°	122.0	118.8	112.4	111.4	113.0
72.5°	96.4	94.5	91.0	89.4	90.4
75°	72.5	71.2	69.3	68.3	69.9
77.5°	52.4	51.4	50.8	50.8	51.1
80°	35.4	35.1	34.8	34.5	35.1
82.5°	21.7	21.7	21.7	21.7	22.0
85°	10.9	11.2	11.5	11.2	11.5
87.5°	3.5	3.8	4.2	4.2	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)