

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738120

Luminaire Tested: **22PT-25-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PW1-L835
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

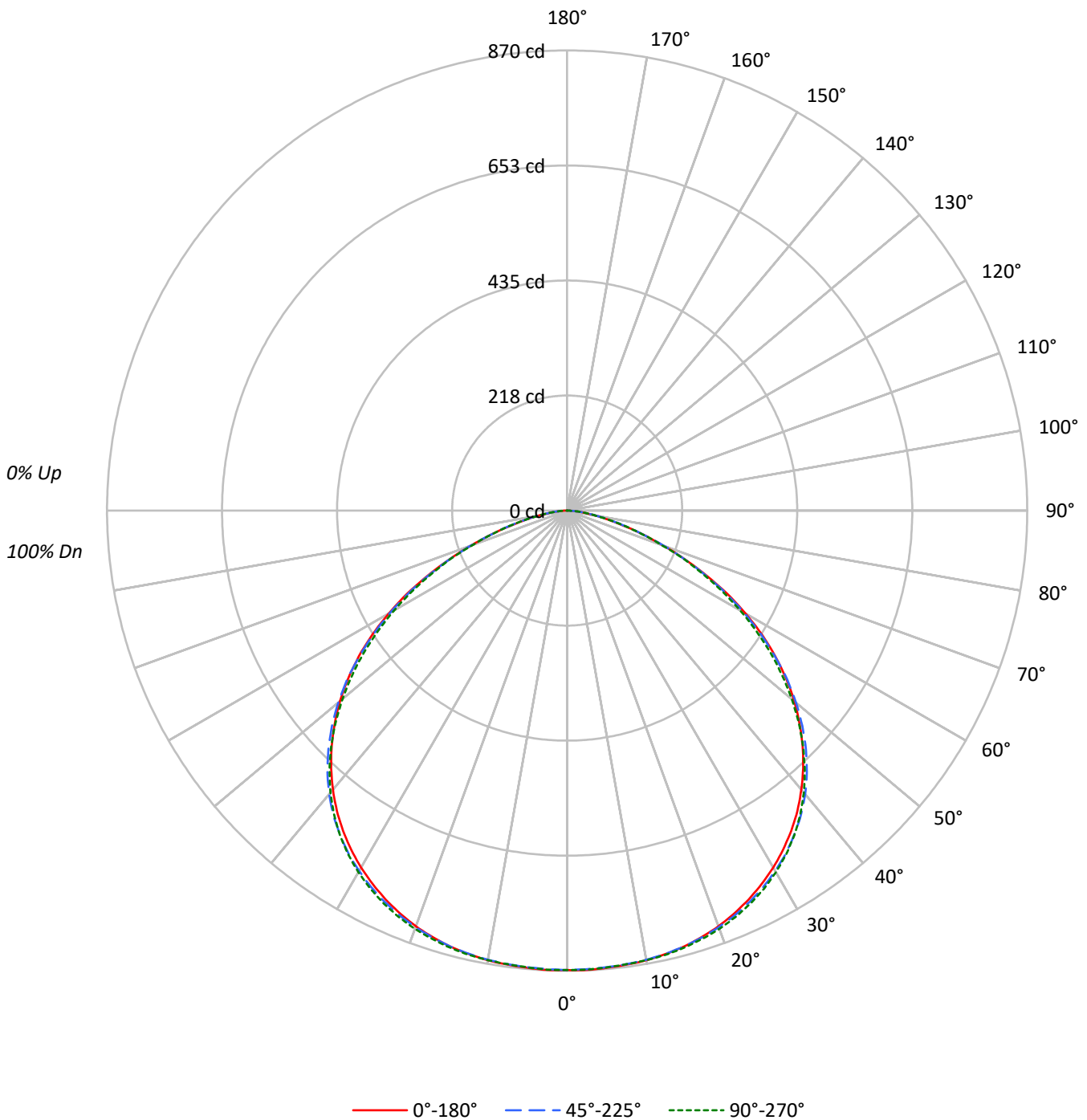
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2511.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
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: 25 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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	85	80	97	90	84	79	87	82	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	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2545	2545	2545
5°	2552	2549	2549
10°	2569	2565	2568
15°	2589	2588	2595
20°	2608	2614	2625
25°	2624	2639	2651
30°	2637	2662	2671
35°	2643	2677	2678
40°	2635	2677	2663
45°	2609	2646	2614
50°	2556	2575	2527
55°	2457	2446	2400
60°	2287	2261	2214
65°	2017	1997	1959
70°	1652	1659	1625
75°	1251	1293	1283
80°	906	943	928
85°	595	615	659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	3.3
10°-20°	241.3	9.6
20°-30°	376.1	15.0
30°-40°	466.2	18.6
40°-50°	487.8	19.4
50°-60°	425.1	16.9
60°-70°	284.8	11.3
70°-80°	123.4	4.9
80°-90°	23.8	0.9
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°	700.0	27.9
0°-40°	1166.2	46.4
0°-60°	2079.1	82.8
0°-90°	2511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	868	867	866	866	867	83
15°	853	852	853	854	856	241
25°	812	812	816	819	820	374
35°	739	742	748	749	749	462
45°	630	633	639	633	631	485
55°	481	481	479	474	470	428
65°	291	289	288	285	282	288
75°	110	112	114	113	113	122
85°	18	19	18	19	20	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	868.7	868.7	868.7	868.7	868.7
2.5°	869.6	868.0	867.7	867.7	868.7
5°	867.7	866.8	866.5	866.2	866.8
7.5°	865.9	864.6	865.0	864.3	865.0
10°	863.4	862.2	862.2	862.2	863.1
12.5°	859.0	858.1	858.5	859.0	860.3
15°	853.4	852.2	853.2	854.1	855.6
17.5°	845.7	844.7	846.3	847.9	849.1
20°	836.4	835.4	838.2	840.5	841.7
22.5°	824.9	824.6	828.3	830.8	831.7
25°	811.6	811.8	816.2	818.7	819.9
27.5°	796.3	797.0	802.6	804.7	806.0
30°	779.3	780.8	786.7	788.5	789.5
32.5°	760.0	762.2	769.3	770.5	770.5
35°	738.9	741.7	748.5	749.4	748.8
37.5°	715.3	718.4	726.1	724.9	724.0
40°	688.9	692.3	700.0	697.6	696.1
42.5°	660.7	664.1	670.9	667.2	665.0
45°	629.6	633.0	638.6	633.4	630.9
47.5°	596.0	600.1	602.9	597.0	593.9
50°	560.7	562.0	564.8	557.9	554.4
52.5°	522.2	522.2	524.4	516.9	512.8
55°	480.9	480.6	478.8	473.5	469.8
57.5°	437.1	435.3	434.0	428.4	424.1
60°	390.3	387.5	385.9	381.3	377.8
62.5°	341.2	339.7	337.8	334.1	330.3
65°	290.9	289.3	288.1	285.4	282.5
67.5°	240.9	240.0	240.0	238.1	237.8
70°	192.8	193.4	193.7	193.7	189.7
72.5°	149.3	149.7	151.2	150.0	149.7
75°	110.5	112.4	114.2	113.3	113.3
77.5°	79.5	82.3	82.3	81.6	80.7
80°	53.7	55.0	55.9	55.6	55.0
82.5°	34.2	35.1	34.2	34.8	35.1
85°	17.7	18.9	18.3	18.7	19.6
87.5°	5.9	6.5	6.9	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)