

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: P738104

Luminaire Tested: **22PT-25-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PP3-L835
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

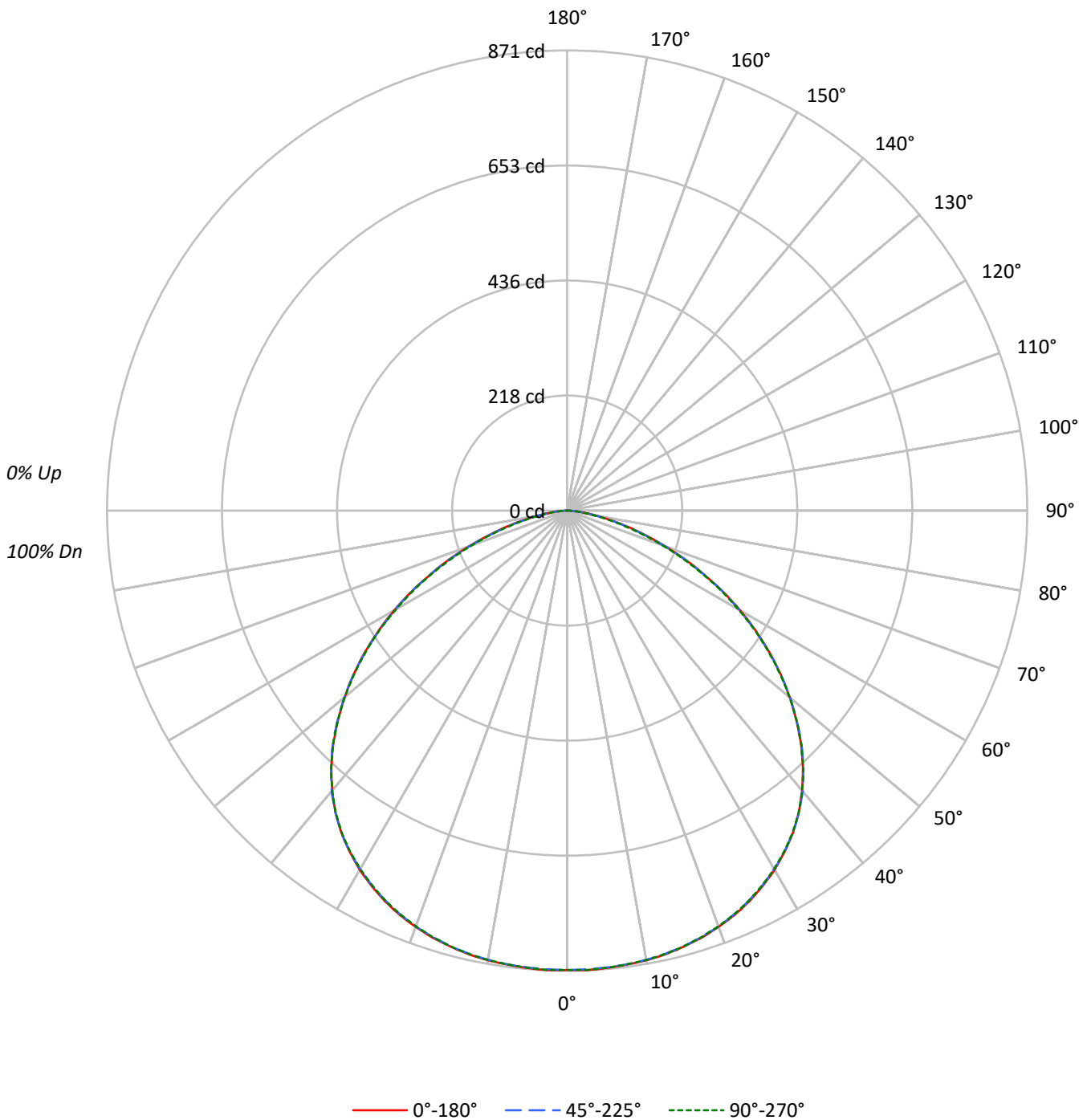
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2495.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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 (A_{in}): 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	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	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	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°	2548	2548	2548
5°	2556	2553	2554
10°	2572	2568	2570
15°	2592	2589	2589
20°	2615	2612	2611
25°	2638	2633	2633
30°	2656	2652	2651
35°	2664	2664	2661
40°	2646	2652	2646
45°	2594	2601	2597
50°	2507	2511	2504
55°	2387	2381	2376
60°	2216	2210	2193
65°	1979	1977	1954
70°	1692	1681	1644
75°	1348	1308	1268
80°	960	942	891
85°	625	625	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	3.3
10°-20°	241.2	9.7
20°-30°	375.6	15.1
30°-40°	464.9	18.6
40°-50°	482.1	19.3
50°-60°	415.5	16.7
60°-70°	282.5	11.3
70°-80°	126.4	5.1
80°-90°	24.1	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°	699.6	28.0
0°-40°	1164.5	46.7
0°-60°	2062.0	82.6
0°-90°	2495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	869	867	868	868	868	83
15°	854	853	854	853	854	242
25°	816	815	814	814	814	376
35°	745	744	745	744	744	465
45°	626	626	628	626	627	482
55°	467	466	466	465	465	417
65°	285	288	285	284	282	283
75°	119	119	116	115	112	128
85°	19	19	19	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.6	869.6	869.6	869.6	869.6
2.5°	870.8	869.0	869.0	869.3	870.2
5°	869.0	867.3	867.9	867.6	868.5
7.5°	866.7	865.3	866.2	865.5	866.2
10°	864.4	862.9	863.2	862.9	863.8
12.5°	860.3	858.6	859.2	859.2	859.5
15°	854.5	853.1	853.6	853.1	853.6
17.5°	847.5	845.8	846.1	845.8	846.4
20°	838.6	837.4	837.7	837.1	837.4
22.5°	828.4	826.9	827.2	826.7	826.7
25°	815.9	814.7	814.5	814.1	814.5
27.5°	801.4	800.0	800.0	799.6	799.6
30°	785.1	783.7	783.7	783.4	783.4
32.5°	765.9	765.4	765.7	765.1	764.8
35°	744.8	743.9	744.8	743.6	743.9
37.5°	720.1	718.9	720.7	719.5	719.8
40°	691.9	691.3	693.4	692.5	691.9
42.5°	660.6	660.6	661.5	661.7	661.1
45°	626.0	625.5	627.7	626.3	626.8
47.5°	588.8	588.0	589.7	589.4	589.1
50°	550.0	549.3	550.8	549.3	549.3
52.5°	509.6	509.3	509.6	508.1	507.8
55°	467.2	465.5	466.0	465.1	465.1
57.5°	423.0	421.0	421.3	421.0	421.3
60°	378.1	377.4	377.2	375.7	374.3
62.5°	331.9	332.5	332.2	330.1	328.7
65°	285.4	287.8	285.2	284.3	281.9
67.5°	241.6	242.4	240.7	238.7	236.1
70°	197.5	199.2	196.2	194.2	191.9
72.5°	155.4	156.5	153.9	152.8	149.8
75°	119.1	119.4	115.5	115.0	112.0
77.5°	84.8	85.9	83.1	83.1	80.1
80°	56.9	59.0	55.8	54.9	52.8
82.5°	35.7	36.0	35.1	34.3	33.4
85°	18.6	19.1	18.6	18.0	18.0
87.5°	7.0	7.2	7.0	6.7	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)