

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: P738084

Luminaire Tested: **22PT-25-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PB1-L935
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

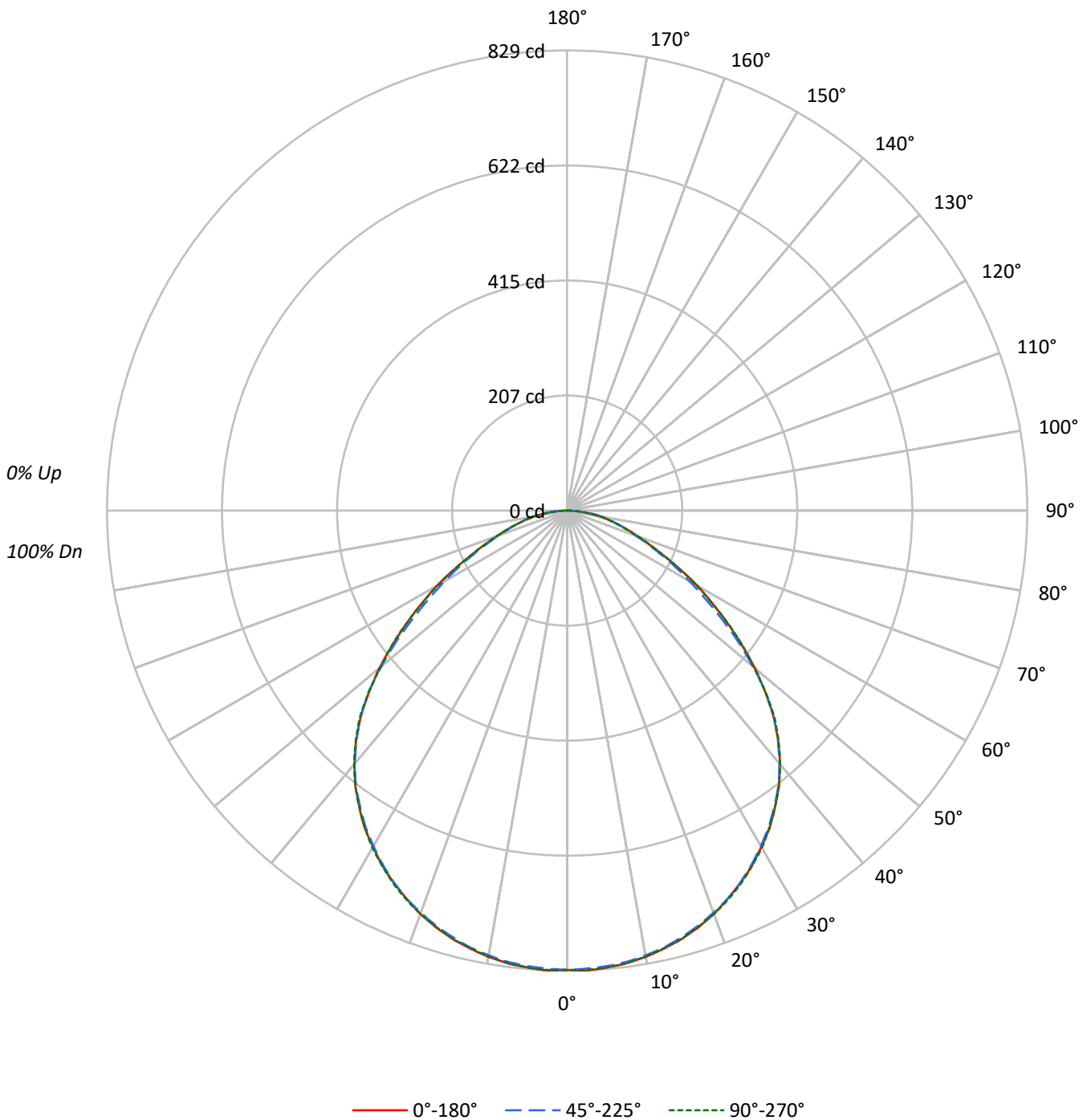
Lumens per Lamp: N/A
Luminaire Lumens: 2086.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2424	2424	2424
5°	2430	2423	2430
10°	2429	2421	2428
15°	2423	2414	2422
20°	2411	2404	2412
25°	2391	2389	2397
30°	2367	2361	2374
35°	2335	2326	2335
40°	2281	2276	2283
45°	2178	2183	2191
50°	2012	1995	1997
55°	1797	1737	1804
60°	1586	1490	1577
65°	1329	1287	1329
70°	1152	1121	1158
75°	1051	1066	1051
80°	987	1073	994
85°	861	1052	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	3.8
10°-20°	225.0	10.8
20°-30°	340.7	16.3
30°-40°	407.4	19.5
40°-50°	403.4	19.3
50°-60°	310.2	14.9
60°-70°	188.9	9.1
70°-80°	100.0	4.8
80°-90°	32.0	1.5
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°	644.1	30.9
0°-40°	1051.5	50.4
0°-60°	1765.1	84.6
0°-90°	2086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	827	827	827	827	827	
5°	826	826	824	825	826	79
15°	799	797	796	797	798	225
25°	740	739	739	740	741	341
35°	653	652	650	652	653	408
45°	526	526	527	527	529	403
55°	352	347	340	346	353	315
65°	192	187	186	185	192	194
75°	93	93	94	94	93	100
85°	26	29	31	30	26	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	827.4	827.4	827.4	827.4	827.4
2.5°	829.4	828.0	825.7	827.4	828.4
5°	826.3	826.0	823.7	825.0	826.3
7.5°	822.6	821.6	820.0	821.3	822.3
10°	816.3	815.6	813.6	815.2	815.9
12.5°	808.2	807.5	806.2	807.5	807.2
15°	798.8	797.4	795.7	797.4	798.4
17.5°	787.0	785.6	784.3	785.3	786.0
20°	773.2	771.2	770.9	772.2	773.5
22.5°	756.7	756.7	756.4	757.4	758.1
25°	739.6	738.9	738.9	739.9	741.3
27.5°	721.1	719.7	719.1	720.7	721.7
30°	699.6	699.2	697.9	700.6	701.6
32.5°	678.7	675.3	676.0	677.4	677.7
35°	652.8	652.1	650.4	652.5	652.8
37.5°	626.6	626.2	625.2	625.9	626.2
40°	596.3	596.0	595.0	596.3	597.0
42.5°	562.7	562.0	562.0	563.0	564.0
45°	525.7	526.0	526.7	527.0	528.7
47.5°	484.3	485.0	485.6	485.0	485.3
50°	441.3	440.9	437.6	439.9	438.2
52.5°	395.9	390.8	388.1	393.5	397.2
55°	351.8	347.1	340.0	346.1	353.1
57.5°	309.4	301.3	293.9	301.0	308.1
60°	270.7	258.3	254.3	258.6	269.1
62.5°	229.4	220.6	219.3	220.0	229.0
65°	191.7	187.0	185.7	185.3	191.7
67.5°	160.8	157.7	156.1	157.4	161.4
70°	134.5	133.2	130.8	133.2	135.2
72.5°	113.0	112.7	110.7	112.7	112.0
75°	92.8	92.8	94.2	93.5	92.8
77.5°	75.7	76.3	78.7	76.7	74.7
80°	58.5	60.2	63.6	60.5	58.9
82.5°	41.7	45.4	49.1	45.4	43.0
85°	25.6	29.3	31.3	29.6	26.2
87.5°	11.1	13.1	13.8	12.8	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)