

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: P738085

Luminaire Tested: **22PT-25-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738085
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-L940
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

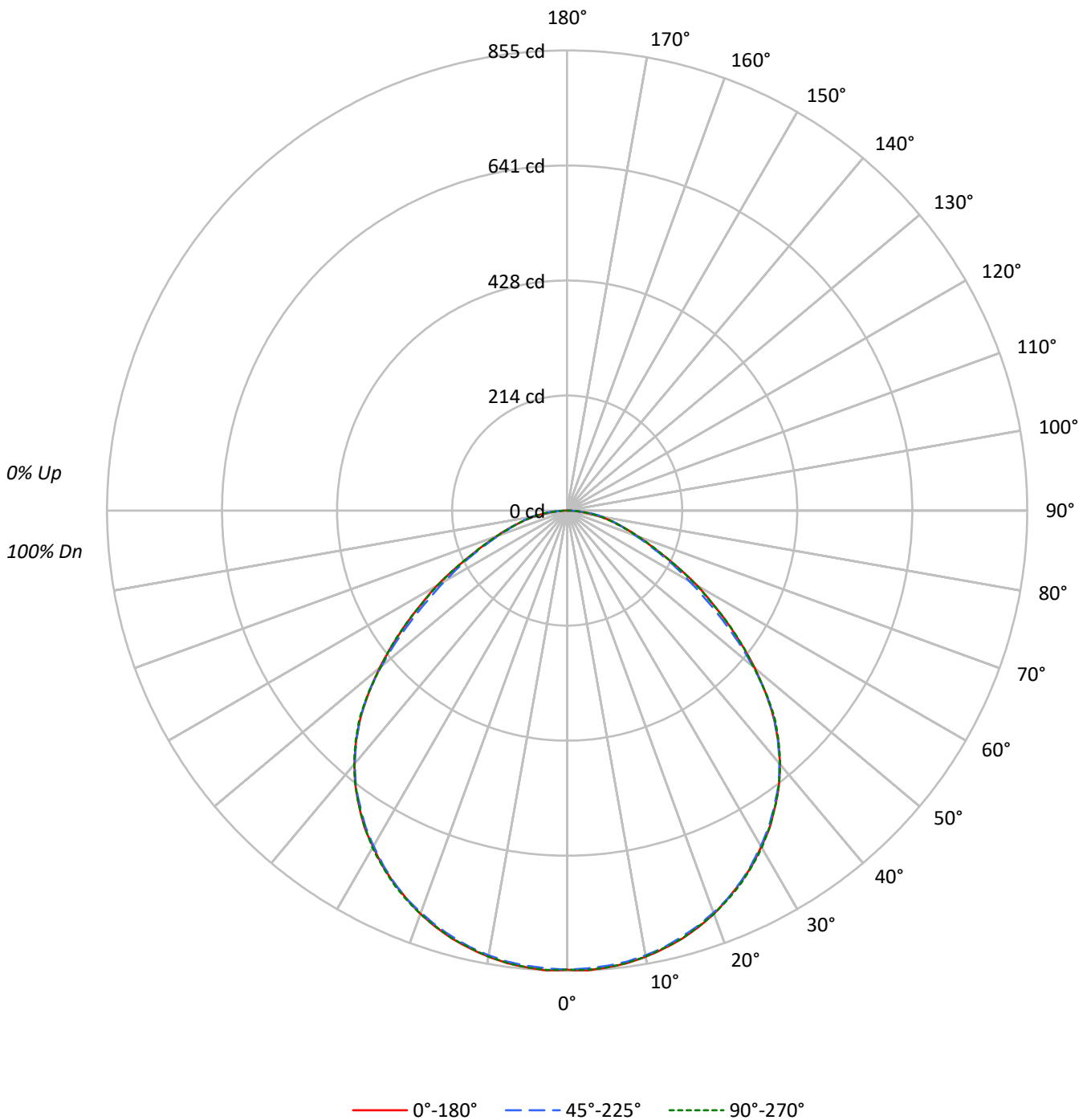
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2151.0 lumens
Efficiency: N/A
Efficacy: 115.6 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2500	2500	2500
5°	2506	2498	2506
10°	2504	2496	2503
15°	2499	2489	2497
20°	2486	2479	2487
25°	2465	2463	2471
30°	2440	2435	2448
35°	2408	2399	2408
40°	2352	2347	2355
45°	2246	2250	2259
50°	2074	2057	2060
55°	1853	1791	1860
60°	1636	1537	1626
65°	1371	1327	1371
70°	1188	1156	1194
75°	1083	1099	1083
80°	1017	1105	1024
85°	888	1086	911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	3.8
10°-20°	232.0	10.8
20°-30°	351.3	16.3
30°-40°	420.1	19.5
40°-50°	416.0	19.3
50°-60°	319.8	14.9
60°-70°	194.8	9.1
70°-80°	103.1	4.8
80°-90°	33.0	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°	664.2	30.9
0°-40°	1084.3	50.4
0°-60°	1820.1	84.6
0°-90°	2151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	852	852	849	851	852	81
15°	824	822	820	822	823	232
25°	763	762	762	763	764	351
35°	673	672	671	673	673	421
45°	542	542	543	543	545	416
55°	363	358	351	357	364	325
65°	198	193	191	191	198	200
75°	96	96	97	96	96	103
85°	26	30	32	30	27	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	853.1	853.1	853.1	853.1	853.1
2.5°	855.2	853.8	851.4	853.1	854.2
5°	852.1	851.7	849.3	850.7	852.1
7.5°	848.3	847.2	845.5	846.9	847.9
10°	841.7	841.0	838.9	840.6	841.3
12.5°	833.4	832.7	831.3	832.7	832.3
15°	823.7	822.3	820.5	822.3	823.3
17.5°	811.5	810.1	808.7	809.8	810.5
20°	797.3	795.2	794.9	796.3	797.6
22.5°	780.3	780.3	780.0	781.0	781.7
25°	762.6	761.9	761.9	763.0	764.4
27.5°	743.5	742.2	741.5	743.2	744.2
30°	721.3	721.0	719.6	722.4	723.4
32.5°	699.8	696.4	697.1	698.5	698.8
35°	673.1	672.4	670.7	672.8	673.1
37.5°	646.1	645.7	644.7	645.4	645.7
40°	614.9	614.5	613.5	614.9	615.6
42.5°	580.2	579.5	579.5	580.5	581.6
45°	542.1	542.4	543.1	543.4	545.2
47.5°	499.4	500.1	500.8	500.1	500.4
50°	455.0	454.7	451.2	453.6	451.9
52.5°	408.2	403.0	400.2	405.8	409.6
55°	362.8	357.9	350.6	356.9	364.1
57.5°	319.1	310.7	303.1	310.4	317.7
60°	279.2	266.3	262.2	266.7	277.4
62.5°	236.5	227.5	226.1	226.8	236.2
65°	197.7	192.8	191.4	191.1	197.7
67.5°	165.8	162.7	160.9	162.3	166.5
70°	138.7	137.3	134.9	137.3	139.4
72.5°	116.5	116.2	114.1	116.2	115.5
75°	95.7	95.7	97.1	96.4	95.7
77.5°	78.0	78.7	81.2	79.1	77.0
80°	60.3	62.1	65.5	62.4	60.7
82.5°	43.0	46.8	50.6	46.8	44.4
85°	26.4	30.2	32.3	30.5	27.1
87.5°	11.4	13.5	14.2	13.2	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)