

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: P738122

Luminaire Tested: **22PT-25-PW1-L850**

Issue Date: 2/8/2024



**Test Information**

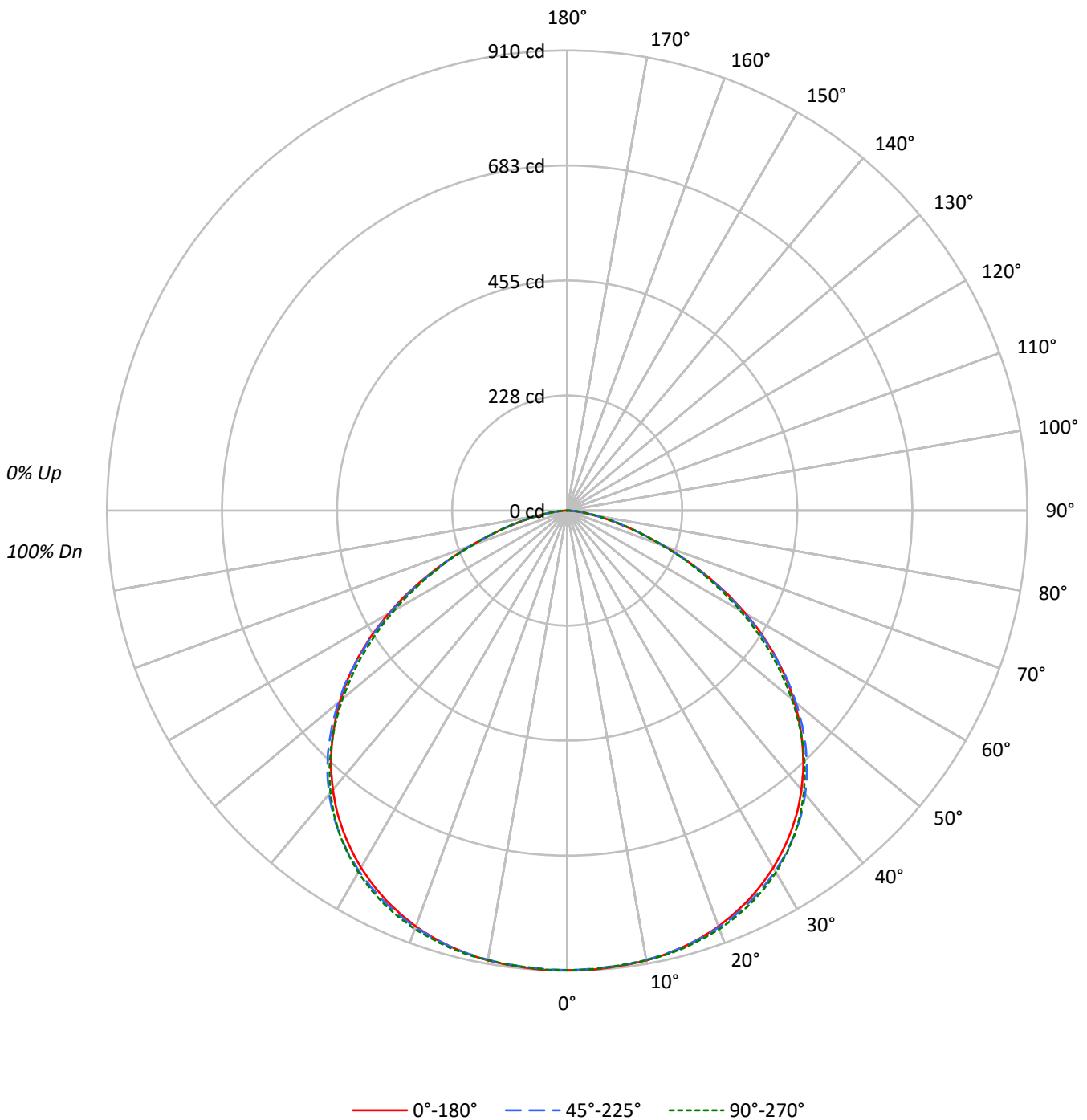
Test Method: LM-79-08  
Report Number: P738122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PW1-L850  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2627.0 lumens  
Efficiency: N/A  
Efficacy: 141.2 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°	2663	2663	2663
5°	2670	2666	2667
10°	2688	2684	2686
15°	2708	2708	2716
20°	2729	2735	2746
25°	2745	2761	2773
30°	2758	2785	2795
35°	2765	2801	2802
40°	2757	2801	2785
45°	2729	2768	2735
50°	2674	2694	2644
55°	2570	2559	2511
60°	2393	2366	2317
65°	2110	2090	2049
70°	1728	1737	1700
75°	1309	1353	1343
80°	948	987	970
85°	622	645	689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.4	3.3
10°-20°	252.4	9.6
20°-30°	393.5	15.0
30°-40°	487.7	18.6
40°-50°	510.3	19.4
50°-60°	444.7	16.9
60°-70°	297.9	11.3
70°-80°	129.1	4.9
80°-90°	24.9	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°	732.3	27.9
0°-40°	1220.0	46.4
0°-60°	2175.1	82.8
0°-90°	2627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2627.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	908	907	906	906	907	87
15°	893	892	893	894	895	252
25°	849	849	854	856	858	392
35°	773	776	783	784	783	483
45°	659	662	668	663	660	507
55°	503	503	501	495	492	448
65°	304	303	301	298	296	301
75°	116	118	120	119	119	127
85°	18	20	19	20	20	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	908.8	908.8	908.8	908.8	908.8
2.5°	909.8	908.1	907.8	907.8	908.8
5°	907.8	906.8	906.5	906.2	906.8
7.5°	905.9	904.6	904.9	904.2	904.9
10°	903.3	902.0	902.0	902.0	902.9
12.5°	898.7	897.8	898.1	898.7	900.0
15°	892.8	891.5	892.6	893.5	895.2
17.5°	884.7	883.8	885.4	887.1	888.3
20°	875.1	874.0	877.0	879.3	880.6
22.5°	863.0	862.7	866.6	869.2	870.1
25°	849.1	849.3	853.9	856.5	857.8
27.5°	833.1	833.8	839.6	841.9	843.2
30°	815.3	816.8	823.1	825.0	826.0
32.5°	795.1	797.4	804.8	806.1	806.1
35°	773.1	775.9	783.1	784.0	783.4
37.5°	748.4	751.6	759.7	758.4	757.4
40°	720.7	724.3	732.4	729.8	728.2
42.5°	691.2	694.7	701.9	698.0	695.7
45°	658.7	662.3	668.1	662.6	660.0
47.5°	623.6	627.8	630.7	624.6	621.3
50°	586.6	587.9	590.9	583.7	580.1
52.5°	546.3	546.3	548.6	540.8	536.5
55°	503.1	502.8	500.9	495.3	491.5
57.5°	457.3	455.4	454.1	448.2	443.7
60°	408.3	405.4	403.7	398.9	395.3
62.5°	357.0	355.4	353.4	349.5	345.6
65°	304.3	302.7	301.4	298.5	295.6
67.5°	252.1	251.0	251.0	249.1	248.8
70°	201.7	202.3	202.7	202.7	198.4
72.5°	156.2	156.6	158.2	156.9	156.6
75°	115.6	117.6	119.5	118.6	118.6
77.5°	83.2	86.1	86.1	85.4	84.5
80°	56.2	57.5	58.5	58.1	57.5
82.5°	35.8	36.7	35.8	36.4	36.7
85°	18.5	19.8	19.2	19.5	20.5
87.5°	6.1	6.8	7.2	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)