

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: P738094

Luminaire Tested: **22PT-25-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

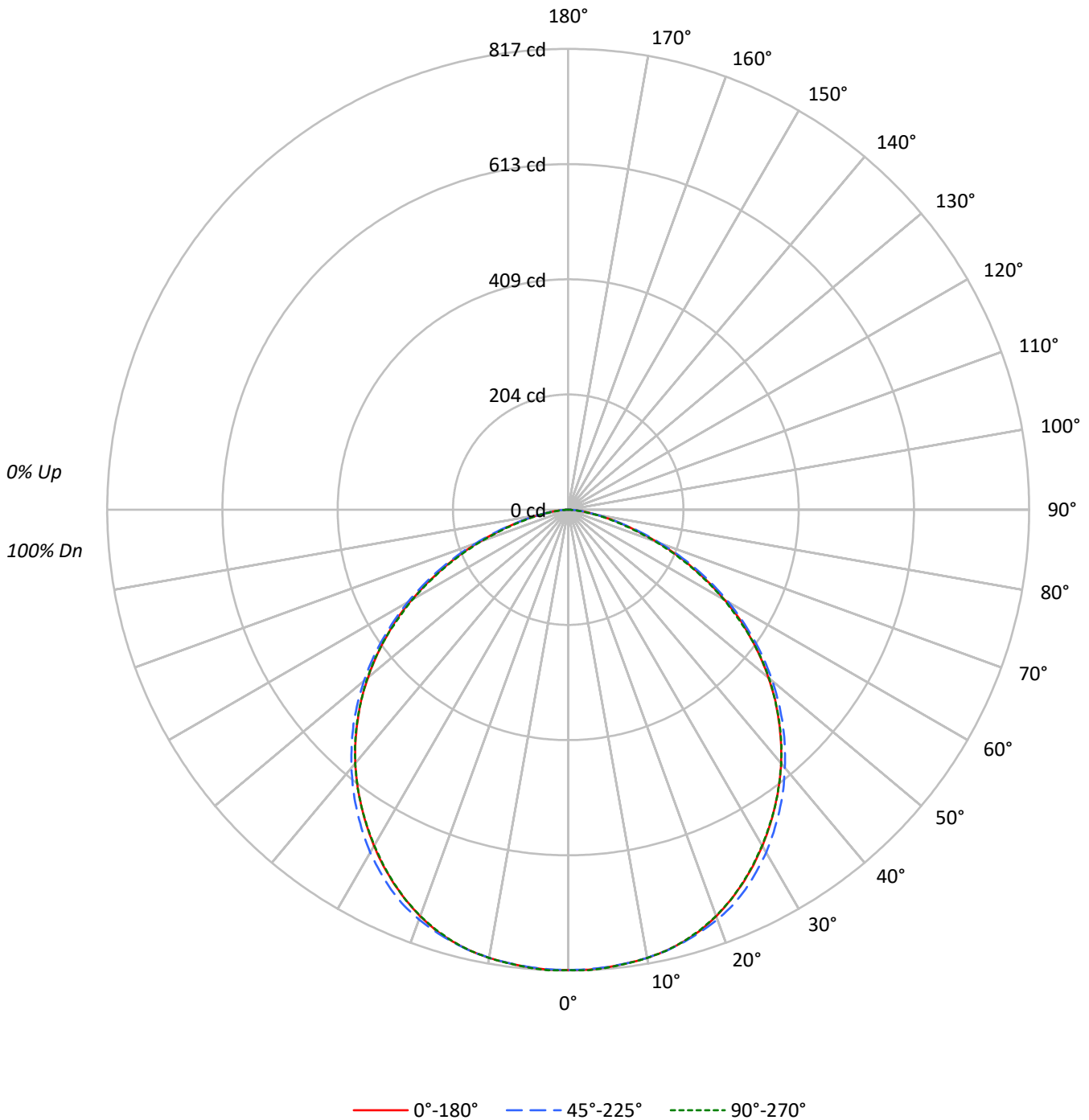
Test Method: LM-79-08  
Report Number: P738094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PC3-L950  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2193.0 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2392	2392	2392
5°	2395	2393	2397
10°	2401	2400	2401
15°	2404	2407	2403
20°	2392	2411	2390
25°	2364	2402	2362
30°	2329	2374	2325
35°	2289	2334	2289
40°	2245	2285	2245
45°	2186	2229	2190
50°	2111	2153	2120
55°	2014	2053	2014
60°	1878	1925	1866
65°	1685	1744	1663
70°	1441	1492	1399
75°	1143	1176	1085
80°	820	850	780
85°	541	558	508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.5	3.5
10°-20°	223.7	10.2
20°-30°	339.4	15.5
30°-40°	405.3	18.5
40°-50°	412.2	18.8
50°-60°	356.6	16.3
60°-70°	245.4	11.2
70°-80°	111.4	5.1
80°-90°	21.6	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°	640.6	29.2
0°-40°	1045.9	47.7
0°-60°	1814.7	82.8
0°-90°	2193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2193.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	814	814	814	814	815	77
15°	792	793	793	792	792	224
25°	731	738	743	736	731	337
35°	640	651	652	650	640	400
45°	528	537	538	537	528	407
55°	394	401	402	401	394	352
65°	243	250	252	250	240	241
75°	101	105	104	103	96	109
85°	16	17	17	16	15	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	816.3	816.3	816.3	816.3	816.3
2.5°	816.3	815.3	815.5	815.8	817.3
5°	814.3	813.5	813.7	813.7	814.8
7.5°	810.8	810.6	810.6	810.3	811.1
10°	807.0	806.5	806.7	806.5	807.0
12.5°	801.0	801.0	801.2	800.5	801.0
15°	792.4	792.9	793.4	792.2	792.2
17.5°	781.5	782.8	784.1	781.8	780.5
20°	767.0	770.1	773.2	769.5	766.5
22.5°	750.1	755.3	760.0	754.3	750.1
25°	731.2	737.6	743.1	736.3	730.7
27.5°	710.6	717.9	723.1	717.4	709.6
30°	688.3	697.2	701.8	696.4	687.2
32.5°	664.5	674.8	677.6	674.3	663.9
35°	639.8	651.2	652.5	650.2	639.8
37.5°	614.1	625.0	626.0	624.7	614.1
40°	587.0	597.2	597.4	597.4	587.0
42.5°	558.3	568.1	568.1	567.8	559.0
45°	527.6	537.2	538.0	537.4	528.4
47.5°	497.2	504.5	505.7	504.7	496.7
50°	463.2	470.7	472.3	471.2	465.0
52.5°	429.4	436.5	438.0	437.2	430.2
55°	394.2	400.9	401.9	401.2	394.2
57.5°	360.2	364.5	365.5	364.0	355.2
60°	320.4	326.7	328.5	326.7	318.4
62.5°	282.0	288.7	290.3	287.7	278.9
65°	243.0	249.7	251.6	249.5	239.9
67.5°	206.2	211.1	212.7	210.3	201.5
70°	168.2	174.5	174.2	171.1	163.3
72.5°	130.9	139.4	137.9	136.1	127.5
75°	101.0	104.9	103.9	102.8	95.8
77.5°	72.2	76.8	74.3	74.5	68.5
80°	48.6	52.9	50.4	49.3	46.2
82.5°	30.9	32.7	32.2	31.7	28.8
85°	16.1	17.1	16.6	16.1	15.1
87.5°	6.3	6.8	6.3	6.3	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)