

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: P738044

Luminaire Tested: **22PT-20-PC3-L935**

Issue Date: 2/8/2024



**Test Information**

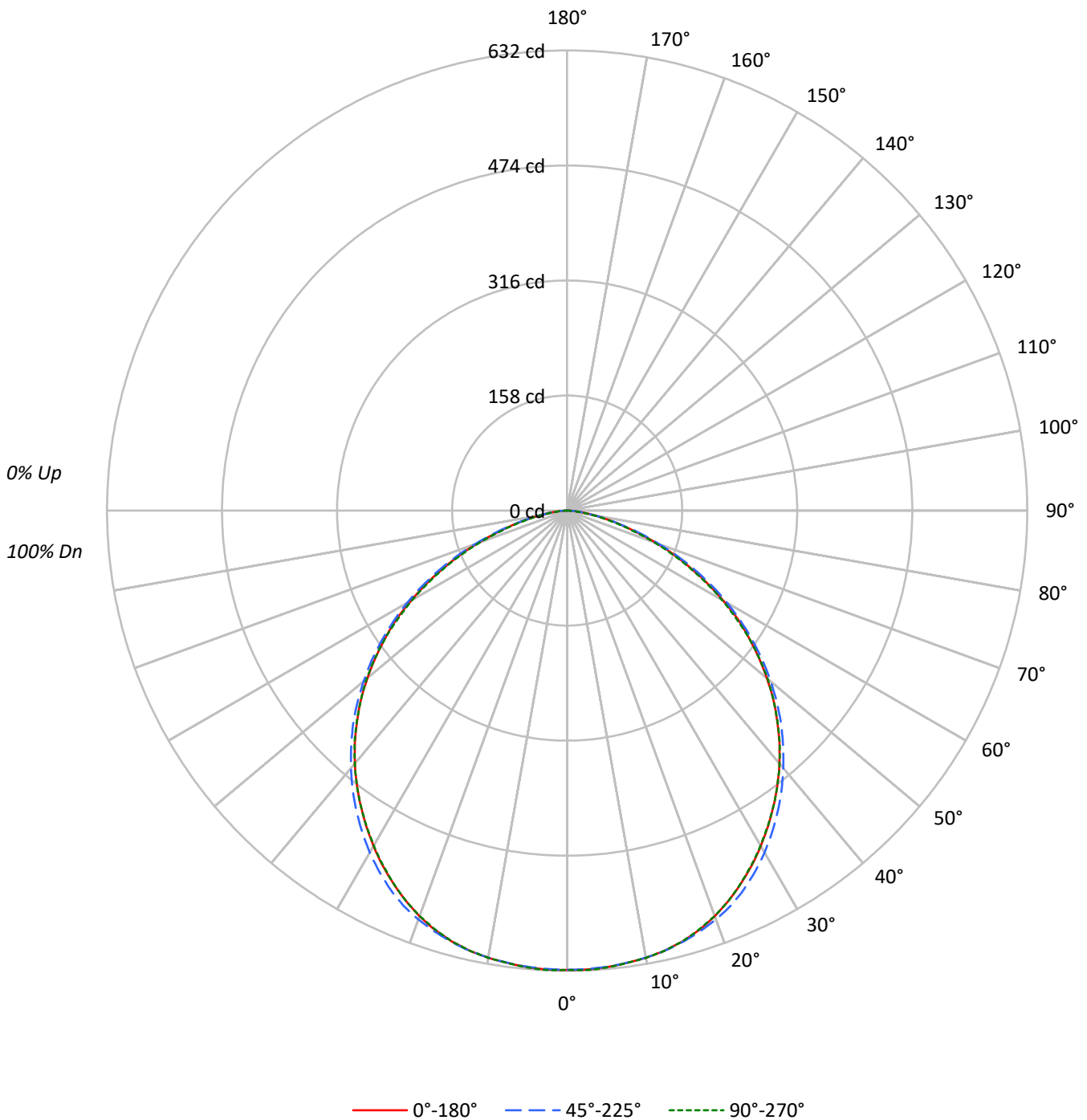
Test Method: LM-79-08  
Report Number: P738044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PC3-L935  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1695.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 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): 14.8  
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°	1849	1849	1849
5°	1851	1850	1852
10°	1856	1855	1856
15°	1858	1860	1857
20°	1848	1863	1847
25°	1827	1857	1826
30°	1800	1835	1797
35°	1769	1804	1769
40°	1735	1766	1735
45°	1690	1723	1692
50°	1632	1664	1638
55°	1557	1587	1557
60°	1451	1488	1442
65°	1303	1348	1285
70°	1114	1154	1081
75°	884	909	838
80°	633	658	602
85°	417	430	393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	3.5
10°-20°	172.9	10.2
20°-30°	262.3	15.5
30°-40°	313.3	18.5
40°-50°	318.6	18.8
50°-60°	275.6	16.3
60°-70°	189.6	11.2
70°-80°	86.1	5.1
80°-90°	16.7	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°	495.1	29.2
0°-40°	808.4	47.7
0°-60°	1402.6	82.8
0°-90°	1695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	629	629	629	629	630	60
15°	612	613	613	612	612	173
25°	565	570	574	569	565	260
35°	494	503	504	502	494	309
45°	408	415	416	415	408	314
55°	305	310	311	310	305	272
65°	188	193	194	193	185	186
75°	78	81	80	80	74	84
85°	12	13	13	12	12	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	630.9	630.9	630.9	630.9	630.9
2.5°	630.9	630.1	630.3	630.5	631.7
5°	629.4	628.7	628.9	628.9	629.8
7.5°	626.7	626.5	626.5	626.3	626.9
10°	623.7	623.3	623.5	623.3	623.7
12.5°	619.1	619.1	619.3	618.7	619.1
15°	612.5	612.9	613.3	612.3	612.3
17.5°	604.0	605.0	606.1	604.3	603.2
20°	592.8	595.2	597.6	594.8	592.4
22.5°	579.8	583.8	587.4	583.0	579.8
25°	565.1	570.1	574.4	569.1	564.7
27.5°	549.3	554.9	558.9	554.5	548.5
30°	532.0	538.8	542.4	538.2	531.2
32.5°	513.6	521.6	523.8	521.2	513.1
35°	494.5	503.3	504.3	502.5	494.5
37.5°	474.6	483.1	483.8	482.8	474.6
40°	453.7	461.5	461.8	461.8	453.7
42.5°	431.5	439.1	439.1	438.9	432.1
45°	407.8	415.2	415.8	415.4	408.4
47.5°	384.3	389.9	390.9	390.1	383.9
50°	358.0	363.8	365.1	364.2	359.4
52.5°	331.9	337.4	338.5	337.9	332.5
55°	304.7	309.8	310.6	310.1	304.7
57.5°	278.4	281.7	282.5	281.4	274.5
60°	247.6	252.5	253.9	252.5	246.1
62.5°	218.0	223.1	224.4	222.4	215.5
65°	187.9	193.0	194.4	192.9	185.4
67.5°	159.4	163.1	164.4	162.6	155.7
70°	130.0	134.9	134.7	132.2	126.2
72.5°	101.2	107.7	106.6	105.2	98.5
75°	78.1	81.1	80.3	79.5	74.0
77.5°	55.8	59.4	57.4	57.6	53.0
80°	37.5	40.9	39.0	38.1	35.7
82.5°	23.9	25.3	24.9	24.5	22.3
85°	12.4	13.2	12.8	12.4	11.7
87.5°	4.8	5.2	4.8	4.8	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)