

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: P738248

Luminaire Tested: **22PT-50-PP3-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-50-PP3-L835  
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

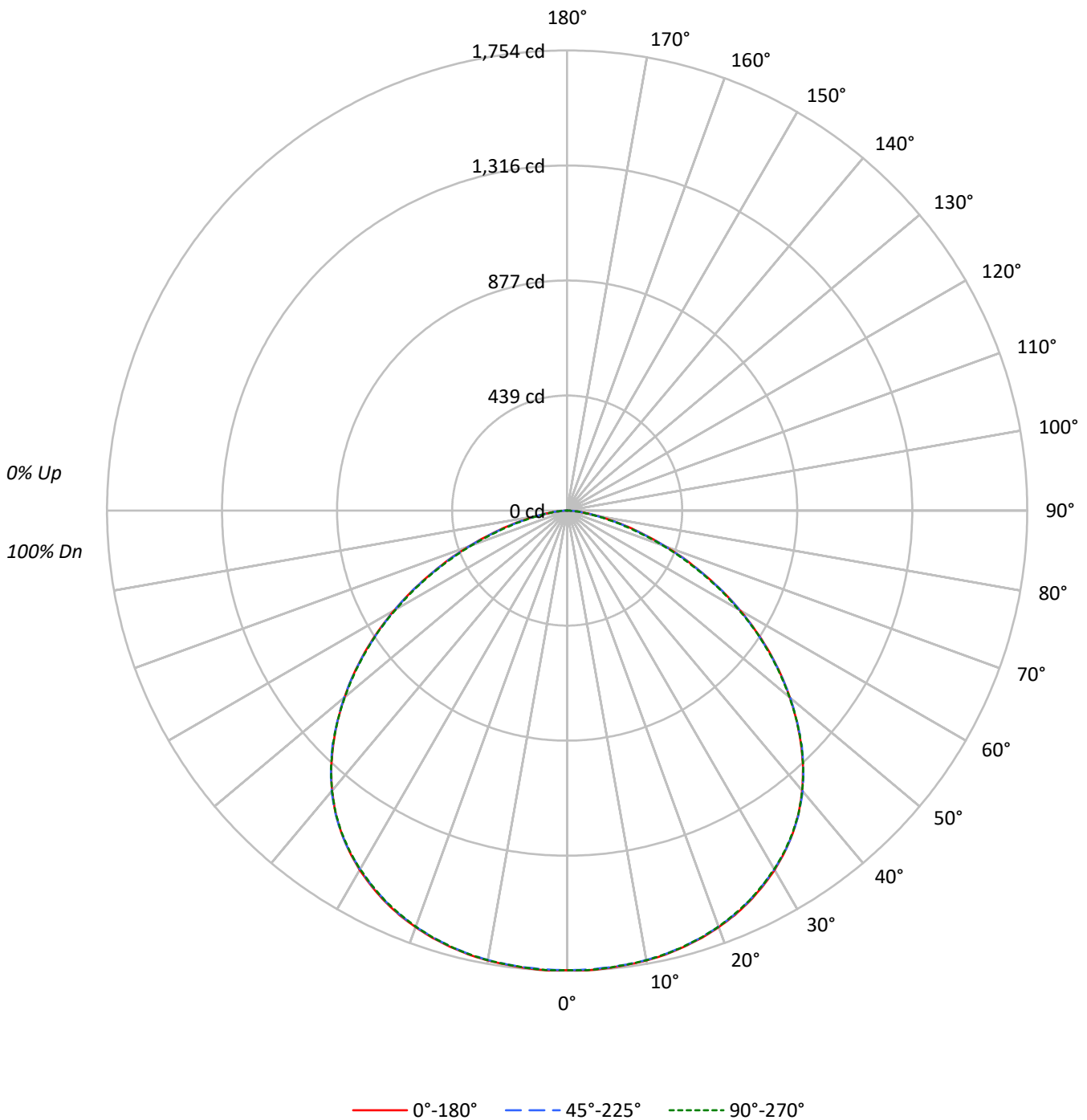
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5027.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	5134	5134	5134
5°	5150	5143	5147
10°	5182	5175	5178
15°	5223	5217	5217
20°	5268	5263	5261
25°	5315	5305	5305
30°	5352	5342	5340
35°	5368	5368	5361
40°	5332	5343	5332
45°	5227	5241	5234
50°	5051	5059	5045
55°	4809	4797	4788
60°	4464	4454	4419
65°	3987	3984	3938
70°	3409	3387	3313
75°	2716	2636	2556
80°	1935	1897	1797
85°	1257	1257	1220



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	3.3
10°-20°	486.0	9.7
20°-30°	756.8	15.1
30°-40°	936.7	18.6
40°-50°	971.3	19.3
50°-60°	837.2	16.7
60°-70°	569.2	11.3
70°-80°	254.7	5.1
80°-90°	48.5	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°	1409.5	28.0
0°-40°	2346.2	46.7
0°-60°	4154.6	82.6
0°-90°	5027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1752	1752	1752	1752	1752	
5°	1751	1748	1749	1748	1750	167
15°	1722	1719	1720	1719	1720	487
25°	1644	1642	1641	1640	1641	758
35°	1501	1499	1501	1498	1499	937
45°	1261	1260	1265	1262	1263	971
55°	941	938	939	937	937	839
65°	575	580	575	573	568	571
75°	240	240	233	232	226	258
85°	37	39	37	36	36	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1752.1	1752.1	1752.1	1752.1	1752.1
2.5°	1754.5	1750.9	1750.9	1751.6	1753.4
5°	1750.9	1747.5	1748.6	1748.0	1749.8
7.5°	1746.3	1743.4	1745.2	1743.9	1745.2
10°	1741.6	1738.6	1739.3	1738.6	1740.4
12.5°	1733.4	1729.9	1731.1	1731.1	1731.7
15°	1721.7	1718.8	1719.9	1718.8	1719.9
17.5°	1707.6	1704.2	1704.8	1704.2	1705.3
20°	1689.6	1687.3	1687.8	1686.6	1687.3
22.5°	1669.1	1666.1	1666.8	1665.6	1665.6
25°	1644.0	1641.5	1641.0	1640.4	1641.0
27.5°	1614.6	1611.8	1611.8	1611.1	1611.1
30°	1581.9	1579.0	1579.0	1578.3	1578.3
32.5°	1543.2	1542.1	1542.7	1541.6	1540.9
35°	1500.6	1498.8	1500.6	1498.3	1498.8
37.5°	1450.9	1448.6	1452.0	1449.7	1450.2
40°	1394.1	1392.9	1397.0	1395.2	1394.1
42.5°	1330.9	1330.9	1332.7	1333.2	1332.1
45°	1261.4	1260.2	1264.8	1261.8	1263.0
47.5°	1186.4	1184.7	1188.2	1187.5	1187.0
50°	1108.1	1106.8	1109.8	1106.8	1106.8
52.5°	1026.7	1026.1	1026.7	1023.8	1023.1
55°	941.3	937.8	939.0	937.2	937.2
57.5°	852.3	848.2	848.9	848.2	848.9
60°	761.8	760.5	760.0	757.0	754.1
62.5°	668.7	669.9	669.2	665.1	662.2
65°	575.1	579.8	574.6	572.8	568.0
67.5°	486.8	488.4	485.0	480.9	475.6
70°	397.9	401.3	395.4	391.3	386.7
72.5°	313.0	315.3	310.1	307.8	301.9
75°	239.9	240.5	232.8	231.7	225.8
77.5°	170.8	173.1	167.3	167.3	161.4
80°	114.7	118.8	112.4	110.6	106.5
82.5°	72.0	72.5	70.7	69.1	67.3
85°	37.4	38.6	37.4	36.3	36.3
87.5°	14.1	14.6	14.1	13.5	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)