

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: P738228

Luminaire Tested: **22PT-50-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738228
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-50-PB1-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

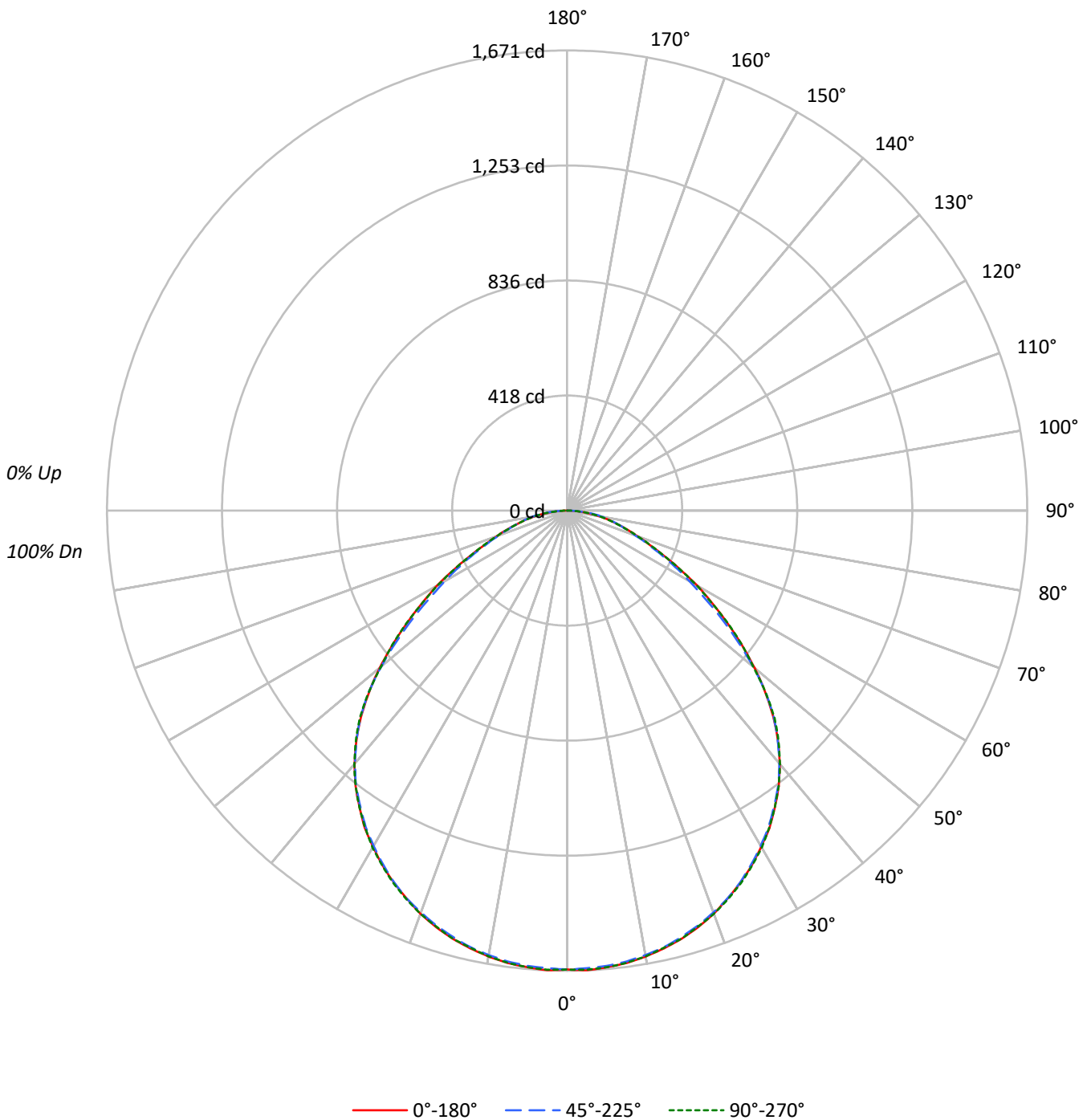
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4202.0 lumens
Efficiency: N/A
Efficacy: 106.9 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): 39.3
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4883	4883	4883
5°	4896	4880	4896
10°	4892	4876	4890
15°	4881	4862	4879
20°	4856	4842	4859
25°	4816	4812	4827
30°	4768	4756	4781
35°	4704	4687	4704
40°	4595	4584	4599
45°	4388	4396	4413
50°	4052	4018	4024
55°	3620	3499	3634
60°	3196	3002	3176
65°	2678	2593	2678
70°	2322	2257	2333
75°	2117	2148	2117
80°	1989	2160	2001
85°	1731	2118	1775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	3.8
10°-20°	453.2	10.8
20°-30°	686.2	16.3
30°-40°	820.8	19.5
40°-50°	812.6	19.3
50°-60°	624.8	14.9
60°-70°	380.5	9.1
70°-80°	201.4	4.8
80°-90°	64.5	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°	1297.5	30.9
0°-40°	2118.2	50.4
0°-60°	3555.7	84.6
0°-90°	4202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1667	1667	1667	1667	1667	
5°	1665	1664	1659	1662	1665	158
15°	1609	1606	1603	1606	1608	454
25°	1490	1488	1488	1490	1493	687
35°	1315	1314	1310	1314	1315	822
45°	1059	1060	1061	1062	1065	812
55°	709	699	685	697	711	635
65°	386	377	374	373	386	390
75°	187	187	190	188	187	201
85°	52	59	63	60	53	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1666.6	1666.6	1666.6	1666.6	1666.6
2.5°	1670.7	1668.0	1663.2	1666.6	1668.6
5°	1664.6	1663.9	1659.2	1661.9	1664.6
7.5°	1657.1	1655.1	1651.7	1654.4	1656.4
10°	1644.2	1642.9	1638.8	1642.2	1643.6
12.5°	1628.0	1626.6	1623.9	1626.6	1626.0
15°	1609.0	1606.3	1602.9	1606.3	1608.3
17.5°	1585.3	1582.6	1579.9	1581.9	1583.3
20°	1557.5	1553.5	1552.8	1555.5	1558.2
22.5°	1524.3	1524.3	1523.7	1525.7	1527.0
25°	1489.8	1488.4	1488.4	1490.5	1493.2
27.5°	1452.5	1449.8	1448.5	1451.8	1453.9
30°	1409.2	1408.5	1405.8	1411.2	1413.2
32.5°	1367.2	1360.4	1361.7	1364.4	1365.1
35°	1315.0	1313.6	1310.3	1314.3	1315.0
37.5°	1262.1	1261.5	1259.4	1260.8	1261.5
40°	1201.2	1200.5	1198.5	1201.2	1202.5
42.5°	1133.4	1132.1	1132.1	1134.1	1136.1
45°	1058.9	1059.6	1060.9	1061.6	1065.0
47.5°	975.6	976.9	978.3	976.9	977.6
50°	888.9	888.2	881.4	886.1	882.8
52.5°	797.4	787.2	781.8	792.7	800.1
55°	708.6	699.2	684.9	697.1	711.4
57.5°	623.3	607.0	592.1	606.3	620.6
60°	545.4	520.3	512.2	521.0	542.0
62.5°	462.0	444.4	441.7	443.1	461.4
65°	386.2	376.7	374.0	373.3	386.2
67.5°	323.8	317.7	314.4	317.1	325.2
70°	271.0	268.3	263.5	268.3	272.3
72.5°	227.6	227.0	222.9	227.0	225.6
75°	187.0	187.0	189.7	188.3	187.0
77.5°	152.4	153.8	158.5	154.5	150.4
80°	117.9	121.3	128.0	121.9	118.6
82.5°	84.0	91.5	98.9	91.5	86.7
85°	51.5	58.9	63.0	59.6	52.8
87.5°	22.4	26.4	27.8	25.7	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)