

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: P738260

Luminaire Tested: **22PT-50-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PR1-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

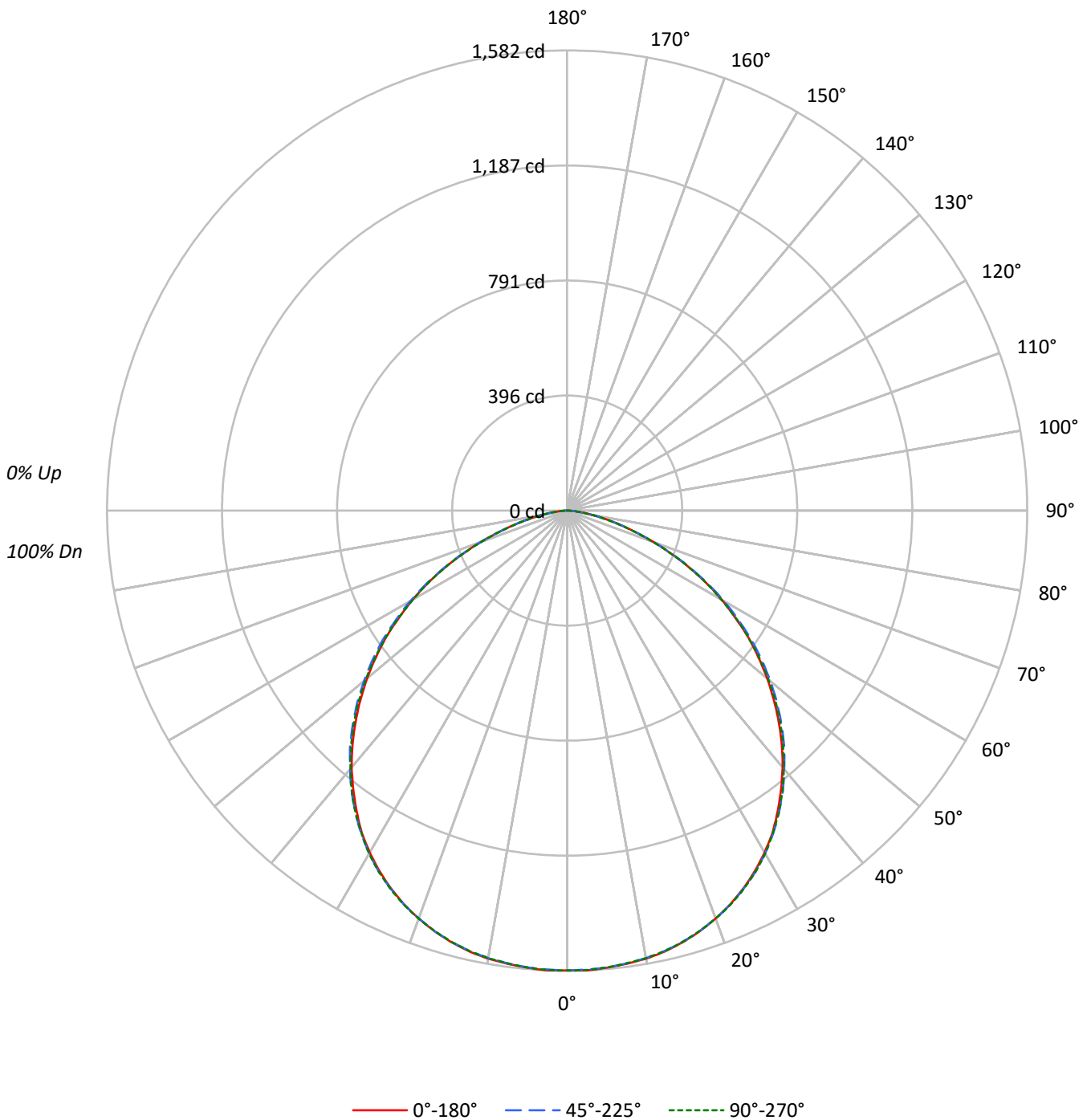
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4225.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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 (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	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					85				
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74					72				
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63					61				
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55					53				
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48					46				
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42					40				
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37					36				
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34					32				
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30					29				
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4633	4633	4633
5°	4640	4637	4637
10°	4654	4648	4648
15°	4660	4655	4657
20°	4653	4652	4655
25°	4634	4638	4642
30°	4592	4606	4608
35°	4514	4539	4537
40°	4409	4439	4433
45°	4264	4319	4297
50°	4092	4154	4120
55°	3884	3945	3889
60°	3600	3650	3588
65°	3212	3245	3208
70°	2702	2702	2684
75°	2118	2118	2094
80°	1551	1532	1525
85°	1012	1012	1032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	3.6
10°-20°	433.3	10.3
20°-30°	660.9	15.6
30°-40°	792.1	18.7
40°-50°	800.0	18.9
50°-60°	684.5	16.2
60°-70°	461.5	10.9
70°-80°	203.6	4.8
80°-90°	39.1	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°	1244.2	29.4
0°-40°	2036.3	48.2
0°-60°	3520.7	83.3
0°-90°	4225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1581	1581	1581	1581	1581	
5°	1577	1575	1576	1575	1576	150
15°	1536	1536	1535	1534	1535	434
25°	1433	1435	1435	1435	1436	660
35°	1262	1269	1269	1268	1268	789
45°	1029	1037	1042	1041	1037	793
55°	760	767	772	771	761	677
65°	463	467	468	467	463	458
75°	187	188	187	188	185	204
85°	30	30	30	31	31	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1581.1	1581.1	1581.1	1581.1	1581.1
2.5°	1582.2	1580.1	1579.5	1579.1	1581.1
5°	1577.4	1575.3	1576.4	1575.3	1576.4
7.5°	1571.6	1569.5	1570.1	1568.9	1570.1
10°	1564.3	1562.1	1562.1	1561.0	1562.1
12.5°	1552.5	1551.1	1550.5	1549.4	1551.1
15°	1536.2	1535.7	1534.7	1534.1	1535.1
17.5°	1516.2	1515.2	1516.2	1514.6	1515.6
20°	1492.4	1493.0	1491.9	1492.4	1493.0
22.5°	1465.4	1465.4	1466.0	1466.0	1467.1
25°	1433.3	1434.7	1434.7	1434.7	1435.9
27.5°	1397.4	1399.5	1400.9	1399.9	1400.9
30°	1357.2	1360.9	1361.3	1360.9	1361.9
32.5°	1313.8	1316.5	1318.0	1316.9	1315.9
35°	1262.0	1269.4	1269.0	1267.8	1268.4
37.5°	1207.6	1215.1	1217.6	1215.5	1216.1
40°	1152.7	1159.1	1160.6	1161.2	1159.1
42.5°	1091.9	1099.4	1105.2	1102.5	1099.4
45°	1029.1	1037.0	1042.3	1040.7	1037.0
47.5°	964.1	971.4	978.9	976.2	972.6
50°	897.6	904.9	911.3	910.2	903.8
52.5°	829.4	837.9	843.7	841.6	833.1
55°	760.3	767.1	772.3	771.3	761.3
57.5°	685.2	694.1	696.8	695.2	687.9
60°	614.3	620.3	622.8	620.7	612.2
62.5°	538.8	543.6	545.7	545.2	539.4
65°	463.3	467.0	468.1	467.0	462.7
67.5°	385.7	390.9	391.5	391.5	387.2
70°	315.4	316.9	315.4	319.6	313.3
72.5°	247.2	248.3	247.2	247.2	244.5
75°	187.1	187.5	187.1	187.5	185.0
77.5°	135.2	136.3	134.2	135.8	133.1
80°	91.9	91.9	90.8	91.4	90.4
82.5°	57.0	58.1	56.6	56.6	56.0
85°	30.1	30.1	30.1	30.7	30.7
87.5°	10.6	10.6	11.0	11.0	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)