

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: P738231

Luminaire Tested: **22PT-50-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738231
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-50-PC3-L830
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

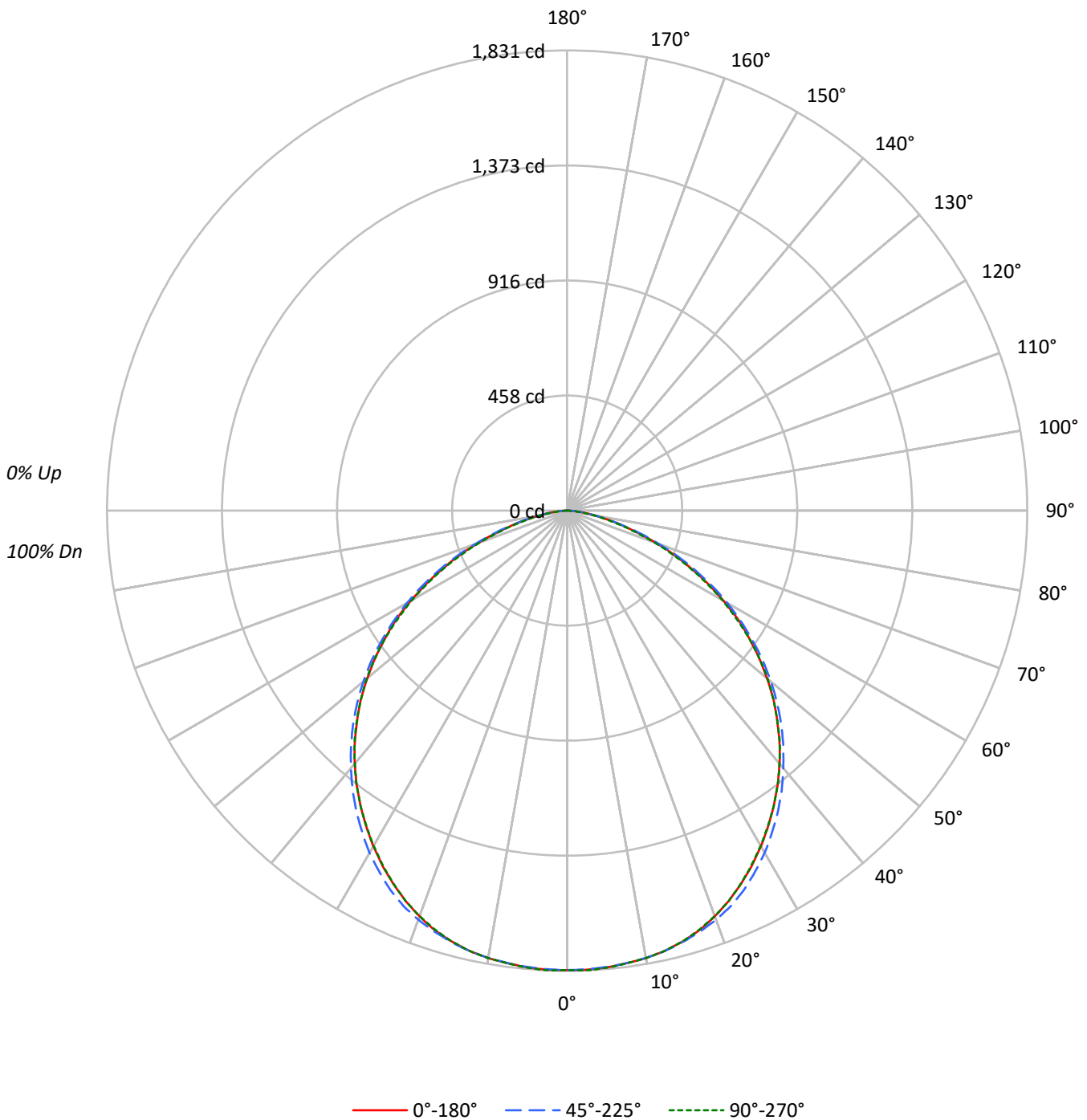
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4913.0 lumens
Efficiency: N/A
Efficacy: 125.0 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): 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

TEST NUMBER: P738231
CATALOG NUMBER: 22PT-50-PC3-L830

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°	5359	5359	5359
5°	5365	5362	5369
10°	5379	5377	5379
15°	5385	5392	5384
20°	5358	5401	5354
25°	5296	5382	5292
30°	5217	5320	5209
35°	5127	5229	5127
40°	5030	5120	5030
45°	4898	4994	4905
50°	4730	4823	4749
55°	4511	4600	4511
60°	4206	4312	4179
65°	3775	3908	3727
70°	3229	3344	3134
75°	2562	2634	2429
80°	1836	1905	1748
85°	1214	1251	1136



TEST NUMBER: P738231

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	3.5
10°-20°	501.2	10.2
20°-30°	760.4	15.5
30°-40°	908.1	18.5
40°-50°	923.5	18.8
50°-60°	798.8	16.3
60°-70°	549.7	11.2
70°-80°	249.5	5.1
80°-90°	48.3	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°	1435.1	29.2
0°-40°	2343.2	47.7
0°-60°	4065.5	82.8
0°-90°	4913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1824	1822	1823	1823	1825	174
15°	1775	1776	1778	1775	1775	501
25°	1638	1653	1665	1650	1637	754
35°	1433	1459	1462	1457	1433	897
45°	1182	1204	1205	1204	1184	912
55°	883	898	900	899	883	789
65°	544	560	564	559	538	540
75°	226	235	233	230	215	243
85°	36	38	37	36	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1828.8	1828.8	1828.8	1828.8	1828.8
2.5°	1828.8	1826.5	1827.0	1827.6	1831.1
5°	1824.2	1822.4	1822.9	1822.9	1825.4
7.5°	1816.5	1816.1	1816.1	1815.4	1817.2
10°	1807.9	1806.8	1807.2	1806.8	1807.9
12.5°	1794.5	1794.5	1795.0	1793.4	1794.5
15°	1775.3	1776.4	1777.5	1774.8	1774.8
17.5°	1750.8	1753.7	1756.7	1751.4	1748.5
20°	1718.3	1725.3	1732.2	1724.0	1717.2
22.5°	1680.5	1692.0	1702.7	1689.8	1680.5
25°	1638.0	1652.6	1664.8	1649.6	1636.9
27.5°	1592.0	1608.3	1619.9	1607.2	1589.7
30°	1542.1	1561.8	1572.3	1560.0	1539.7
32.5°	1488.6	1511.7	1518.1	1510.6	1487.3
35°	1433.3	1458.9	1461.8	1456.6	1433.3
37.5°	1375.7	1400.1	1402.4	1399.5	1375.7
40°	1315.1	1337.8	1338.5	1338.5	1315.1
42.5°	1250.7	1272.7	1272.7	1272.1	1252.3
45°	1182.0	1203.5	1205.3	1204.0	1183.8
47.5°	1113.9	1130.3	1133.0	1130.8	1112.8
50°	1037.7	1054.6	1058.1	1055.7	1041.8
52.5°	962.0	977.9	981.3	979.5	963.8
55°	883.1	898.1	900.4	898.7	883.1
57.5°	806.9	816.7	818.9	815.5	795.8
60°	717.8	731.8	735.9	731.8	713.2
62.5°	631.8	646.8	650.4	644.5	624.8
65°	544.5	559.5	563.6	559.0	537.5
67.5°	461.9	472.9	476.4	471.2	451.3
70°	376.9	390.9	390.3	383.3	365.8
72.5°	293.2	312.3	308.9	304.8	285.5
75°	226.3	235.0	232.7	230.4	214.6
77.5°	161.7	172.1	166.4	166.9	153.5
80°	108.8	118.6	112.9	110.5	103.6
82.5°	69.2	73.3	72.1	71.0	64.6
85°	36.1	38.3	37.2	36.1	33.8
87.5°	14.0	15.2	14.0	14.0	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)