

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: P738236

Luminaire Tested: **22PT-50-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738236
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-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

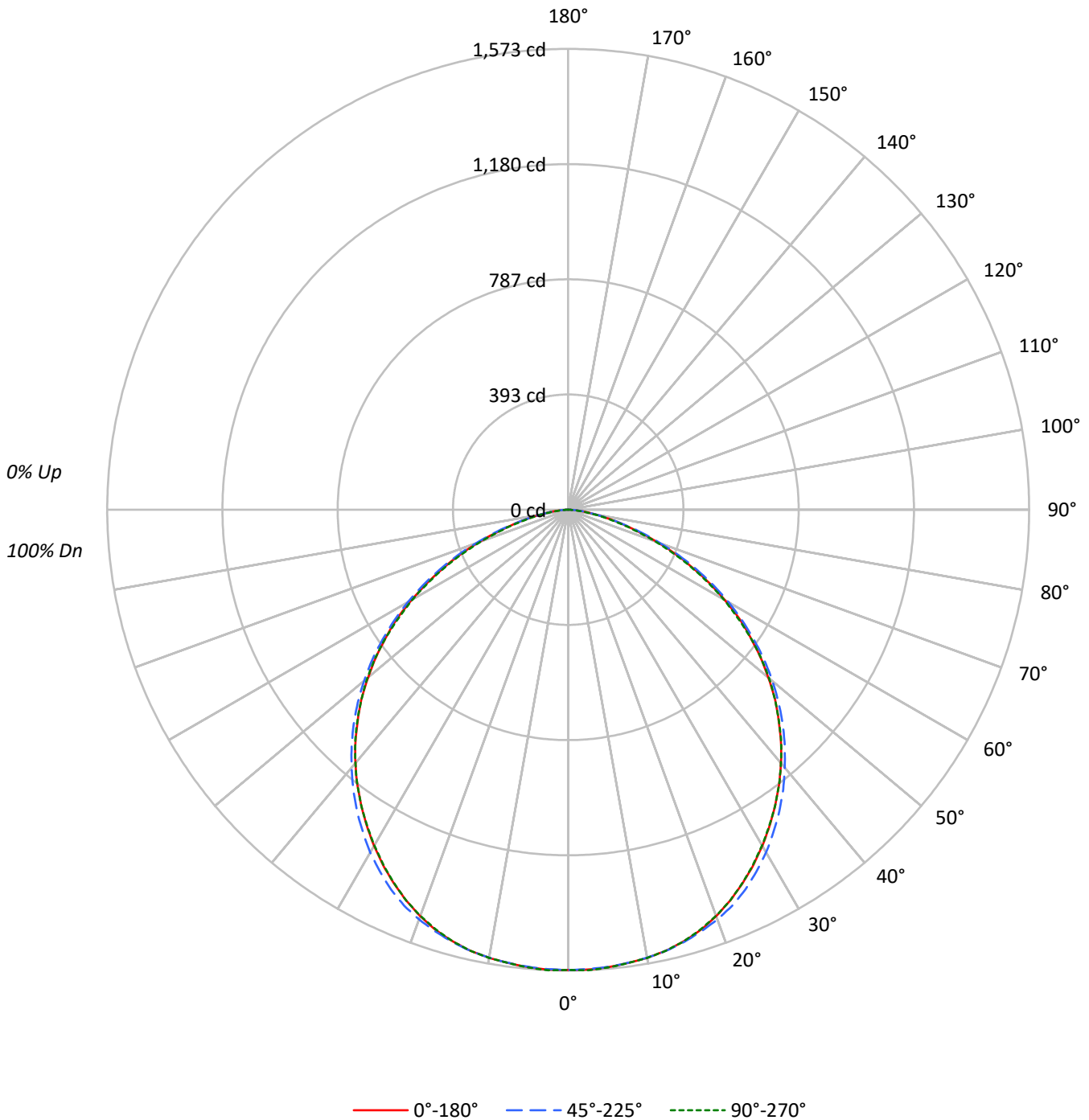
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4221.0 lumens
Efficiency: N/A
Efficacy: 107.4 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 (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	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°	4604	4604	4604
5°	4610	4607	4613
10°	4621	4620	4621
15°	4627	4633	4625
20°	4603	4640	4600
25°	4550	4624	4547
30°	4483	4570	4475
35°	4405	4492	4405
40°	4322	4398	4322
45°	4208	4291	4214
50°	4064	4144	4080
55°	3876	3951	3876
60°	3614	3705	3591
65°	3243	3357	3202
70°	2774	2872	2693
75°	2201	2263	2086
80°	1578	1637	1502
85°	1042	1076	975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	3.5
10°-20°	430.6	10.2
20°-30°	653.3	15.5
30°-40°	780.2	18.5
40°-50°	793.4	18.8
50°-60°	686.3	16.3
60°-70°	472.3	11.2
70°-80°	214.3	5.1
80°-90°	41.5	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°	1233.0	29.2
0°-40°	2013.1	47.7
0°-60°	3492.9	82.8
0°-90°	4221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1571	1571	1571	1571	1571	
5°	1567	1566	1566	1566	1568	149
15°	1525	1526	1527	1525	1525	430
25°	1407	1420	1430	1417	1406	648
35°	1231	1253	1256	1251	1231	770
45°	1016	1034	1036	1034	1017	783
55°	759	772	774	772	759	678
65°	468	481	484	480	462	464
75°	194	202	200	198	184	209
85°	31	33	32	31	29	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1571.2	1571.2	1571.2	1571.2	1571.2
2.5°	1571.2	1569.2	1569.7	1570.2	1573.2
5°	1567.3	1565.7	1566.2	1566.2	1568.3
7.5°	1560.7	1560.3	1560.3	1559.7	1561.2
10°	1553.3	1552.3	1552.7	1552.3	1553.3
12.5°	1541.8	1541.8	1542.2	1540.8	1541.8
15°	1525.2	1526.2	1527.2	1524.8	1524.8
17.5°	1504.2	1506.7	1509.2	1504.7	1502.2
20°	1476.3	1482.3	1488.2	1481.2	1475.3
22.5°	1443.8	1453.7	1462.8	1451.8	1443.8
25°	1407.3	1419.8	1430.3	1417.3	1406.3
27.5°	1367.8	1381.8	1391.8	1380.8	1365.8
30°	1324.9	1341.9	1350.8	1340.3	1322.8
32.5°	1278.9	1298.8	1304.3	1297.8	1277.8
35°	1231.4	1253.4	1255.9	1251.4	1231.4
37.5°	1181.9	1202.9	1204.9	1202.4	1181.9
40°	1129.9	1149.4	1149.9	1149.9	1129.9
42.5°	1074.5	1093.4	1093.4	1092.9	1075.9
45°	1015.5	1034.0	1035.5	1034.4	1017.0
47.5°	957.0	971.1	973.4	971.5	956.1
50°	891.6	906.0	909.1	907.0	895.1
52.5°	826.5	840.1	843.1	841.5	828.1
55°	758.7	771.6	773.5	772.1	758.7
57.5°	693.2	701.6	703.6	700.6	683.7
60°	616.7	628.7	632.2	628.7	612.8
62.5°	542.8	555.7	558.8	553.7	536.8
65°	467.8	480.7	484.2	480.3	461.8
67.5°	396.9	406.3	409.3	404.9	387.8
70°	323.8	335.9	335.3	329.3	314.3
72.5°	251.9	268.3	265.4	261.9	245.3
75°	194.4	201.9	199.9	197.9	184.3
77.5°	138.9	147.9	143.0	143.4	131.9
80°	93.5	101.9	97.0	94.9	89.0
82.5°	59.4	62.9	62.0	61.0	55.5
85°	31.0	32.9	32.0	31.0	29.0
87.5°	12.1	13.0	12.1	12.1	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)