

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: P738528

Luminaire Tested: **24PT-45-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-45-PC3-L835
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

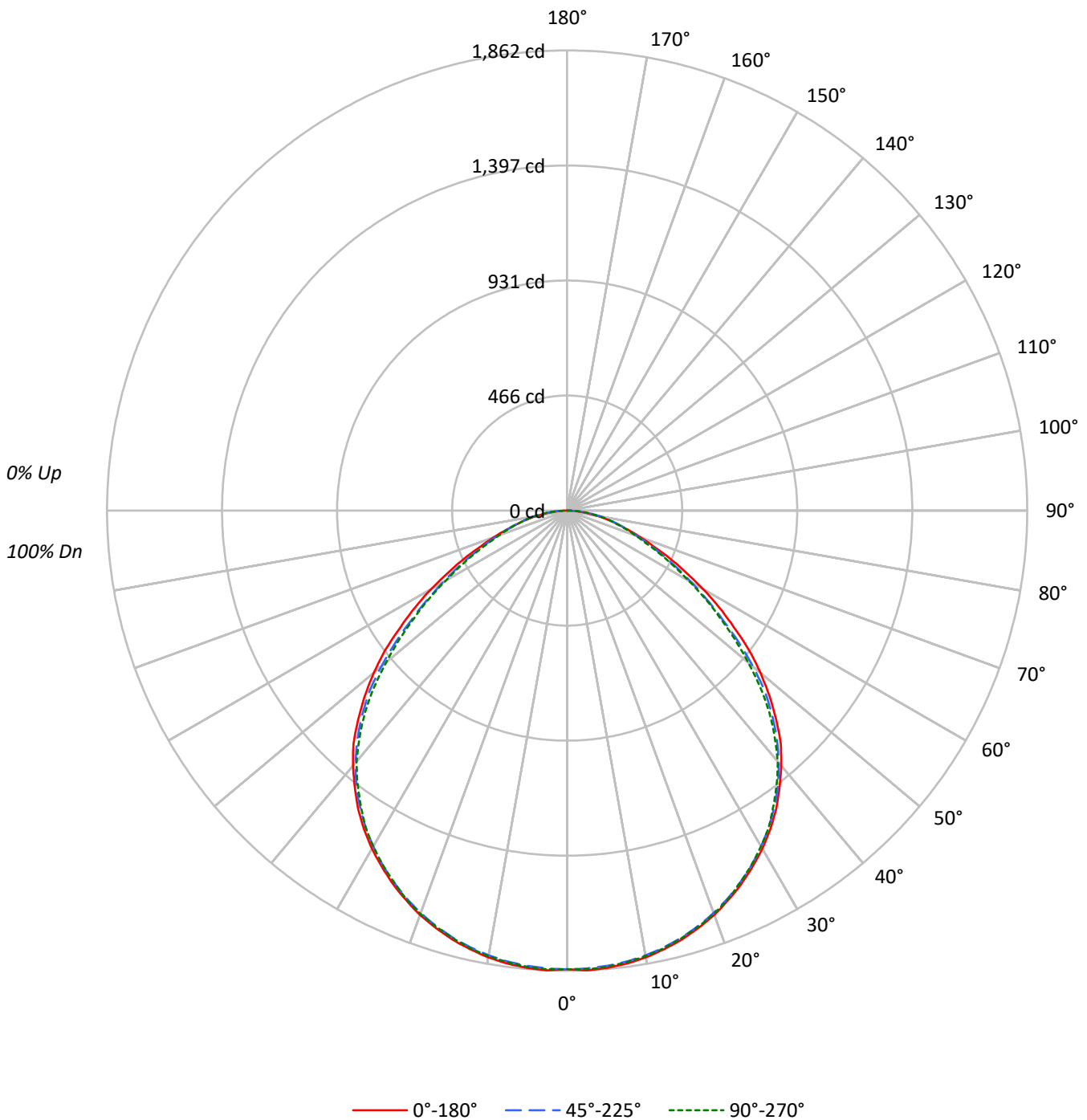
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4682.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2661	2661	2661
5°	2673	2662	2667
10°	2673	2661	2665
15°	2667	2655	2658
20°	2656	2644	2649
25°	2638	2625	2624
30°	2616	2598	2598
35°	2581	2560	2548
40°	2523	2493	2481
45°	2425	2380	2347
50°	2277	2189	2132
55°	2059	1919	1883
60°	1821	1661	1628
65°	1556	1439	1402
70°	1319	1263	1226
75°	1156	1176	1136
80°	1036	1143	1079
85°	875	1045	994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	3.8
10°-20°	505.2	10.8
20°-30°	765.2	16.3
30°-40°	914.0	19.5
40°-50°	901.6	19.3
50°-60°	698.0	14.9
60°-70°	429.0	9.2
70°-80°	224.8	4.8
80°-90°	68.1	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°	1446.4	30.9
0°-40°	2360.4	50.4
0°-60°	3960.0	84.6
0°-90°	4682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1856	1856	1856	1856	1856	
5°	1857	1852	1849	1848	1853	177
15°	1797	1791	1788	1787	1790	507
25°	1668	1662	1659	1658	1659	768
35°	1474	1468	1462	1458	1456	920
45°	1196	1187	1174	1161	1157	920
55°	824	801	768	756	753	739
65°	459	438	424	412	413	458
75°	209	211	212	208	205	225
85°	53	59	64	62	60	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1856.1	1856.1	1856.1	1856.1	1856.1
2.5°	1862.3	1856.7	1854.1	1853.6	1857.7
5°	1857.2	1851.5	1849.4	1848.4	1853.0
7.5°	1848.9	1842.7	1840.6	1839.1	1843.2
10°	1836.0	1829.8	1827.7	1826.7	1830.3
12.5°	1817.4	1811.7	1810.2	1808.6	1813.3
15°	1796.7	1791.0	1788.5	1786.9	1790.5
17.5°	1769.9	1765.2	1762.1	1762.1	1765.2
20°	1740.9	1735.3	1732.7	1731.1	1736.3
22.5°	1705.3	1701.7	1698.6	1696.0	1701.7
25°	1667.6	1662.4	1659.3	1658.3	1658.8
27.5°	1624.7	1621.1	1617.0	1615.4	1616.4
30°	1579.8	1575.1	1569.4	1566.3	1568.9
32.5°	1529.6	1522.9	1518.3	1515.2	1518.8
35°	1474.4	1467.7	1462.5	1457.8	1455.8
37.5°	1411.3	1409.3	1402.0	1393.8	1393.3
40°	1347.8	1342.1	1331.8	1328.2	1325.6
42.5°	1279.6	1267.7	1256.9	1246.6	1242.9
45°	1195.9	1187.1	1173.7	1161.3	1157.2
47.5°	1110.2	1098.8	1085.9	1064.2	1061.6
50°	1020.8	1004.3	981.5	963.5	955.7
52.5°	927.8	905.6	874.1	858.6	854.5
55°	823.5	801.2	767.7	756.3	753.2
57.5°	730.5	697.9	670.5	657.6	661.8
60°	634.9	603.4	579.1	566.7	567.7
62.5°	541.4	516.6	498.5	486.6	488.2
65°	458.7	437.6	424.1	411.7	413.3
67.5°	377.6	367.8	358.0	350.8	346.6
70°	314.6	310.5	301.2	294.5	292.4
72.5°	257.3	259.8	252.1	250.0	249.5
75°	208.7	210.8	212.3	208.2	205.1
77.5°	166.9	170.0	176.2	170.5	169.4
80°	125.5	131.7	138.4	134.8	130.7
82.5°	87.8	95.6	101.8	97.1	95.1
85°	53.2	59.4	63.5	62.0	60.4
87.5°	23.8	25.8	27.9	28.4	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)