

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: P738504

Luminaire Tested: **24PT-40-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PL1-L835
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

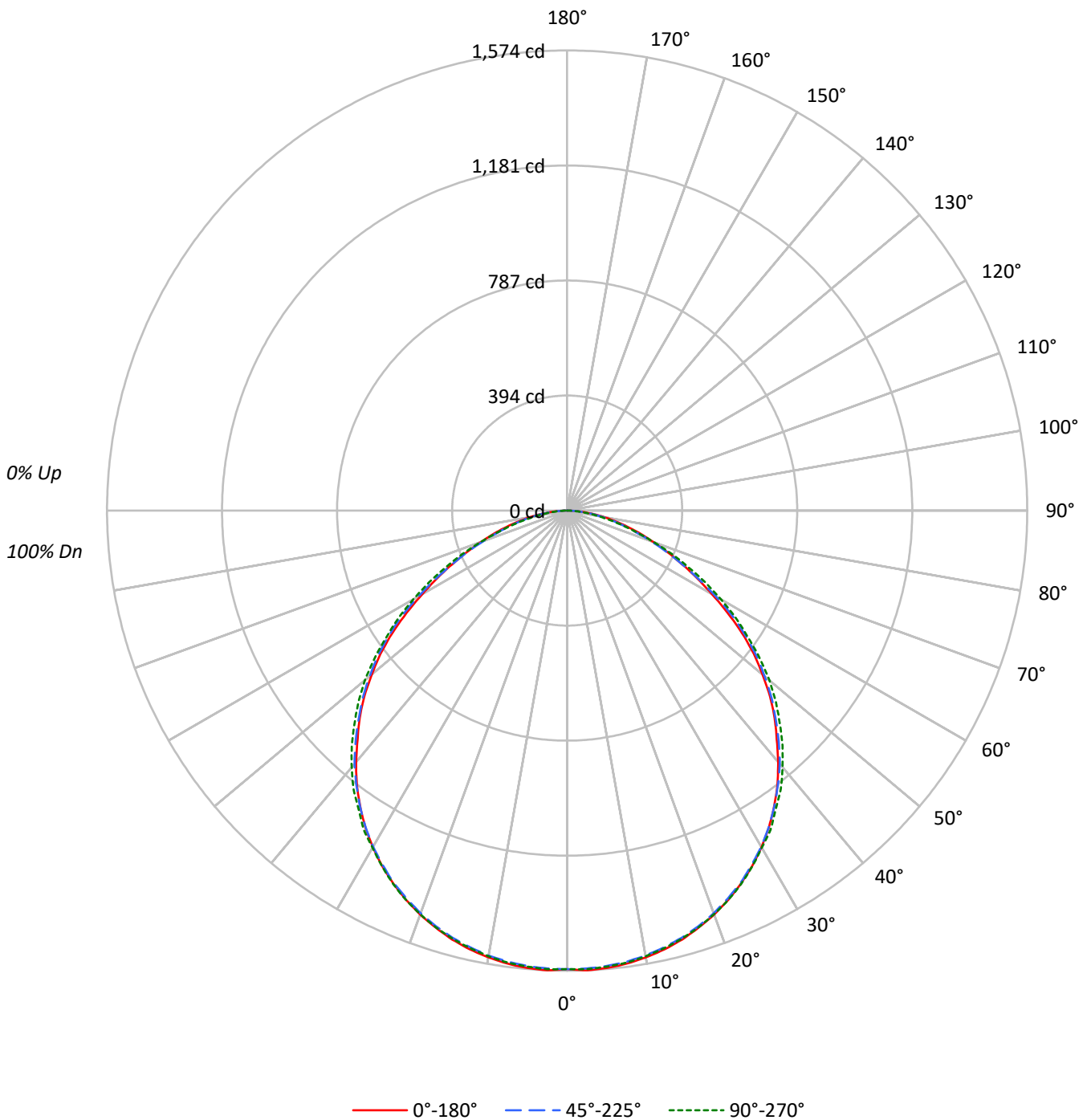
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	109	105	101	97	107	103	99	96	98	95	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	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2249	2249	2249
5°	2260	2251	2254
10°	2259	2250	2254
15°	2255	2246	2250
20°	2244	2237	2242
25°	2227	2222	2229
30°	2201	2198	2205
35°	2161	2162	2178
40°	2101	2118	2146
45°	2036	2045	2086
50°	1945	1967	2015
55°	1826	1860	1888
60°	1639	1680	1742
65°	1467	1470	1549
70°	1308	1272	1318
75°	1182	1111	1091
80°	1049	979	864
85°	860	816	675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	3.6
10°-20°	427.2	10.3
20°-30°	647.3	15.6
30°-40°	773.5	18.6
40°-50°	780.3	18.8
50°-60°	662.0	15.9
60°-70°	438.0	10.5
70°-80°	217.4	5.2
80°-90°	57.5	1.4
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°	1223.3	29.5
0°-40°	1996.8	48.1
0°-60°	3439.1	82.8
0°-90°	4152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1570	1565	1564	1563	1566	149
15°	1519	1514	1513	1513	1516	429
25°	1408	1404	1404	1404	1409	648
35°	1234	1233	1235	1242	1244	771
45°	1004	1003	1009	1022	1028	772
55°	730	732	744	751	755	649
65°	432	432	433	447	457	431
75°	213	207	201	194	197	228
85°	52	52	50	46	41	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1568.6	1568.6	1568.6	1568.6	1568.6
2.5°	1574.0	1569.1	1567.7	1566.8	1570.4
5°	1570.4	1565.0	1563.6	1562.7	1565.9
7.5°	1563.2	1557.3	1556.4	1555.5	1559.6
10°	1551.5	1546.1	1545.2	1544.3	1547.9
12.5°	1537.5	1532.1	1530.3	1530.7	1533.0
15°	1519.0	1514.1	1512.7	1512.7	1515.9
17.5°	1496.0	1491.5	1490.6	1490.2	1494.2
20°	1470.3	1465.8	1465.8	1467.2	1469.4
22.5°	1441.0	1437.9	1436.0	1437.0	1441.5
25°	1407.6	1404.5	1404.5	1404.0	1409.0
27.5°	1370.7	1366.6	1366.6	1370.2	1372.0
30°	1329.2	1325.6	1327.4	1330.1	1331.9
32.5°	1284.6	1282.3	1283.7	1287.7	1294.9
35°	1234.5	1232.7	1235.0	1241.7	1244.4
37.5°	1182.2	1180.9	1184.0	1193.0	1200.7
40°	1122.7	1122.7	1131.3	1139.4	1146.6
42.5°	1060.9	1065.0	1071.3	1083.9	1090.2
45°	1004.1	1002.8	1008.6	1022.1	1028.5
47.5°	941.0	939.6	948.2	957.7	968.0
50°	872.0	871.5	881.9	890.0	903.1
52.5°	804.8	808.9	815.6	822.9	830.5
55°	730.4	732.2	744.0	750.7	755.2
57.5°	650.2	656.0	670.5	680.4	684.4
60°	571.7	575.3	585.7	603.3	607.3
62.5°	500.5	501.8	508.1	528.0	533.4
65°	432.4	431.5	433.3	446.8	456.7
67.5°	370.6	367.0	367.0	374.2	386.4
70°	312.0	306.6	303.4	305.7	314.3
72.5°	262.9	255.6	247.5	246.2	251.6
75°	213.3	207.4	200.6	194.3	197.0
77.5°	170.0	165.0	158.7	151.5	147.9
80°	127.1	125.3	118.6	111.8	104.6
82.5°	88.8	87.5	83.0	77.6	73.0
85°	52.3	52.3	49.6	45.5	41.0
87.5°	23.4	22.5	23.4	19.8	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)