

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: P738508

Luminaire Tested: **24PT-40-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738508
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-L935
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

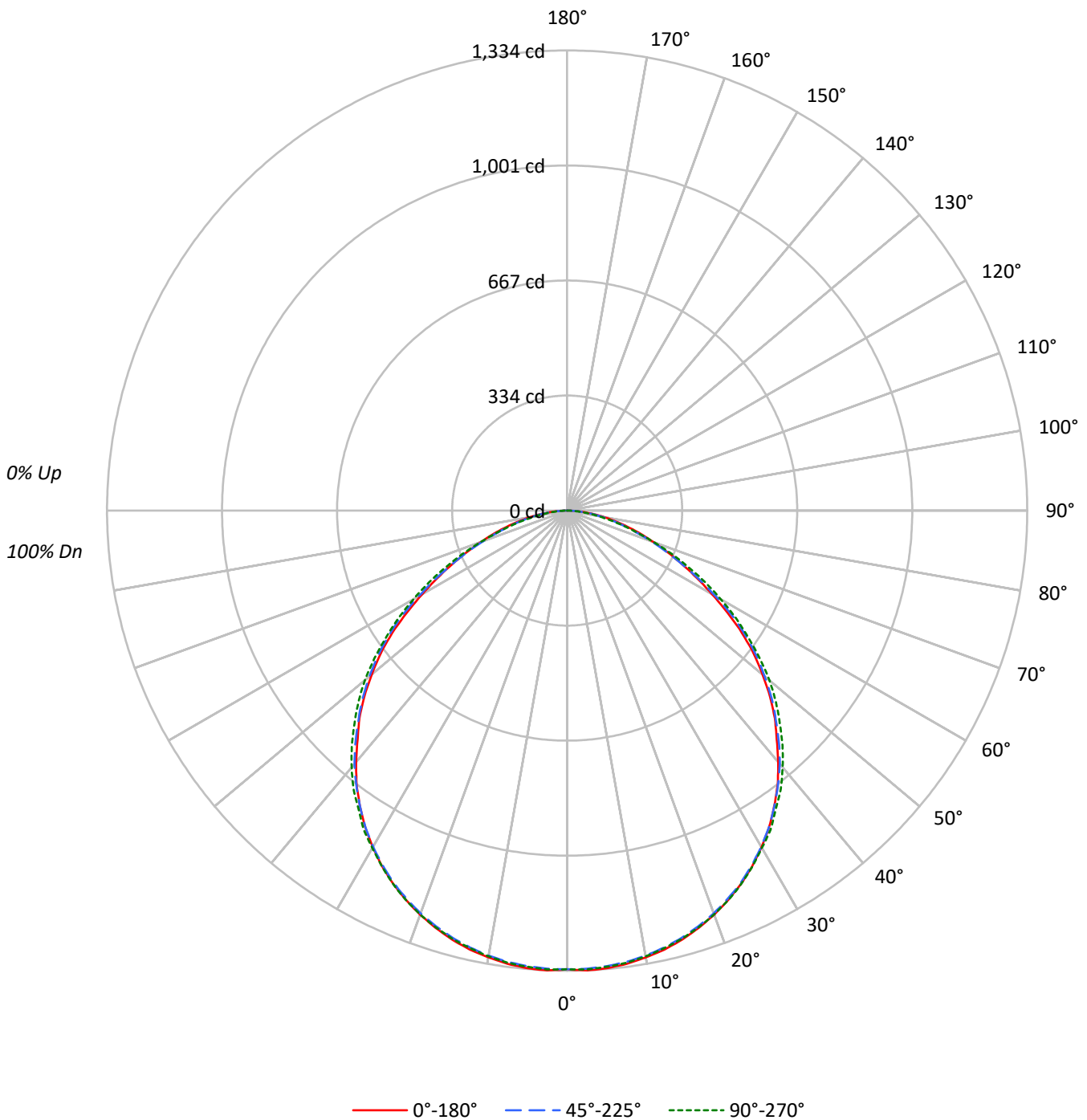
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.0 lumens
Efficiency: N/A
Efficacy: 107.6 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°	1907	1907	1907
5°	1916	1908	1911
10°	1915	1907	1911
15°	1912	1904	1908
20°	1902	1896	1901
25°	1888	1884	1890
30°	1866	1863	1870
35°	1832	1833	1847
40°	1782	1795	1820
45°	1726	1734	1768
50°	1649	1668	1708
55°	1548	1577	1601
60°	1390	1424	1477
65°	1244	1246	1314
70°	1109	1079	1117
75°	1002	942	925
80°	890	830	732
85°	729	691	573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	3.6
10°-20°	362.2	10.3
20°-30°	548.7	15.6
30°-40°	655.8	18.6
40°-50°	661.5	18.8
50°-60°	561.2	15.9
60°-70°	371.3	10.5
70°-80°	184.3	5.2
80°-90°	48.7	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°	1037.1	29.5
0°-40°	1692.9	48.1
0°-60°	2915.6	82.8
0°-90°	3520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1331	1327	1326	1325	1328	127
15°	1288	1284	1282	1282	1285	363
25°	1193	1191	1191	1190	1194	550
35°	1047	1045	1047	1053	1055	654
45°	851	850	855	867	872	655
55°	619	621	631	636	640	551
65°	367	366	367	379	387	366
75°	181	176	170	165	167	194
85°	44	44	42	39	35	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1329.8	1329.8	1329.8	1329.8	1329.8
2.5°	1334.4	1330.2	1329.1	1328.3	1331.4
5°	1331.4	1326.8	1325.6	1324.9	1327.5
7.5°	1325.3	1320.3	1319.5	1318.8	1322.2
10°	1315.3	1310.7	1310.0	1309.2	1312.3
12.5°	1303.5	1298.9	1297.4	1297.7	1299.6
15°	1287.8	1283.6	1282.4	1282.4	1285.1
17.5°	1268.3	1264.5	1263.7	1263.3	1266.8
20°	1246.5	1242.7	1242.7	1243.8	1245.7
22.5°	1221.7	1219.0	1217.5	1218.2	1222.0
25°	1193.4	1190.7	1190.7	1190.3	1194.5
27.5°	1162.0	1158.6	1158.6	1161.7	1163.2
30°	1126.9	1123.8	1125.3	1127.6	1129.2
32.5°	1089.0	1087.1	1088.3	1091.7	1097.8
35°	1046.6	1045.1	1047.0	1052.7	1055.0
37.5°	1002.3	1001.1	1003.8	1011.4	1017.9
40°	951.8	951.8	959.1	965.9	972.1
42.5°	899.4	902.9	908.2	918.9	924.3
45°	851.3	850.1	855.1	866.6	871.9
47.5°	797.8	796.6	803.9	811.9	820.7
50°	739.3	738.9	747.7	754.6	765.6
52.5°	682.3	685.8	691.5	697.6	704.1
55°	619.2	620.8	630.7	636.4	640.3
57.5°	551.2	556.2	568.4	576.8	580.3
60°	484.7	487.7	496.5	511.4	514.9
62.5°	424.3	425.4	430.8	447.6	452.2
65°	366.6	365.8	367.3	378.8	387.2
67.5°	314.2	311.2	311.2	317.3	327.6
70°	264.5	259.9	257.3	259.2	266.4
72.5°	222.9	216.7	209.9	208.7	213.3
75°	180.8	175.8	170.1	164.7	167.0
77.5°	144.1	139.9	134.6	128.4	125.4
80°	107.8	106.3	100.5	94.8	88.7
82.5°	75.3	74.2	70.3	65.7	61.9
85°	44.3	44.3	42.0	38.6	34.8
87.5°	19.9	19.1	19.9	16.8	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)