

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: P258511

Luminaire Tested: **D3X-WO-55L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-55L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4771.7 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

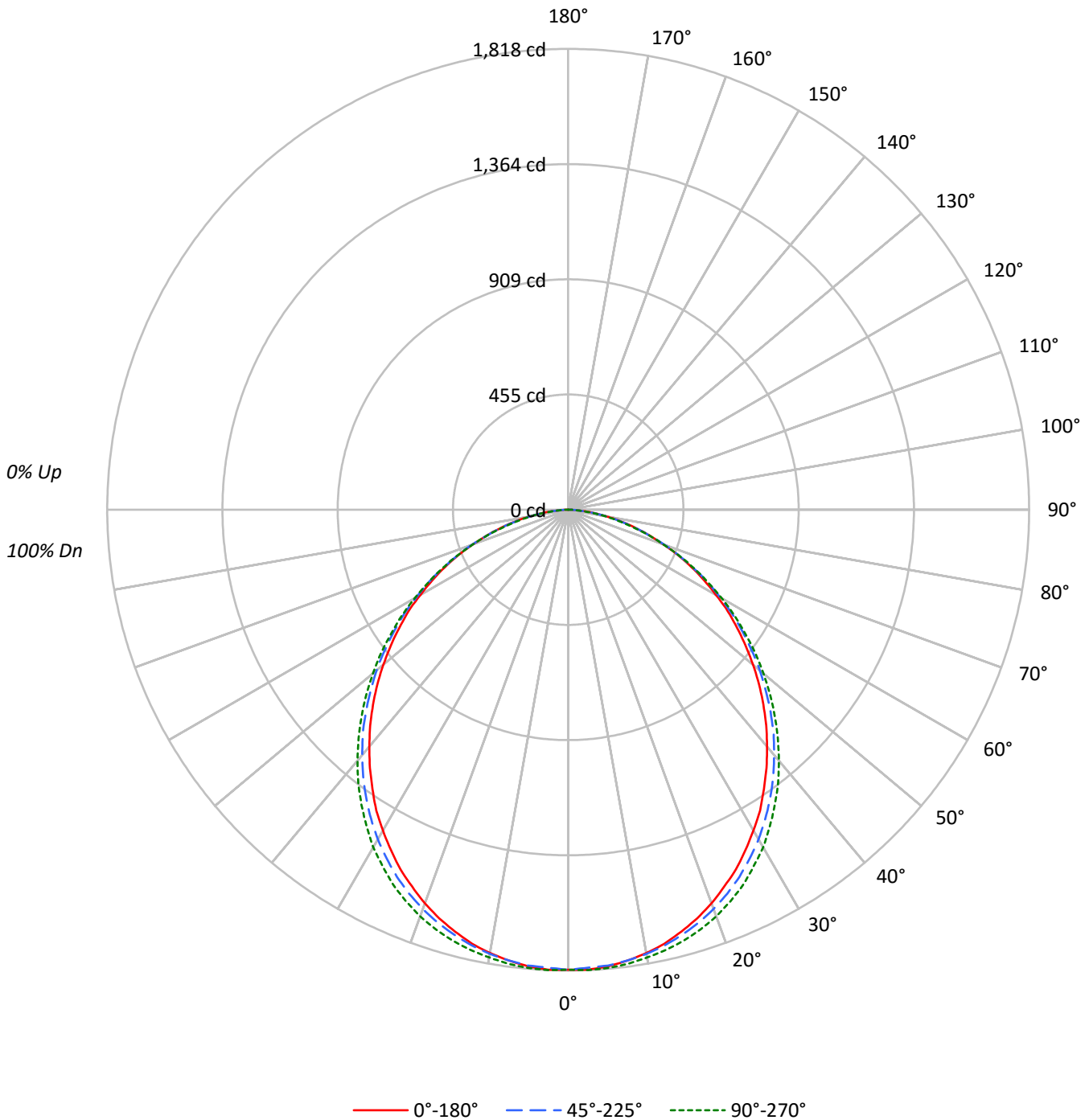
Input Watts (W): 42.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2442	2442	2442
5°	2442	2438	2451
10°	2427	2431	2451
15°	2400	2418	2452
20°	2366	2400	2444
25°	2324	2372	2424
30°	2270	2332	2390
35°	2210	2281	2334
40°	2143	2219	2270
45°	2071	2147	2193
50°	1992	2066	2103
55°	1908	1968	1998
60°	1812	1860	1882
65°	1709	1735	1745
70°	1568	1587	1568
75°	1412	1404	1362
80°	1196	1183	1146
85°	894	869	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	3.6
10°-20°	490.8	10.3
20°-30°	735.9	15.4
30°-40°	866.7	18.2
40°-50°	866.8	18.2
50°-60°	747.9	15.7
60°-70°	538.2	11.3
70°-80°	285.4	6.0
80°-90°	68.1	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°	1398.6	29.3
0°-40°	2265.3	47.5
0°-60°	3880.0	81.3
0°-90°	4771.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4771.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1815	1815	1815	1815	1815	
5°	1808	1807	1805	1812	1815	172
15°	1723	1728	1736	1754	1760	486
25°	1566	1575	1598	1625	1633	720
35°	1345	1362	1389	1413	1421	842
45°	1088	1103	1128	1148	1152	839
55°	813	821	839	854	852	728
65°	537	538	545	548	548	531
75°	272	268	270	264	262	289
85°	58	58	56	51	50	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1814.8	1814.8	1814.8	1814.8	1814.8
2.5°	1816.4	1813.2	1808.3	1814.8	1818.0
5°	1808.3	1806.7	1805.1	1811.6	1814.8
7.5°	1793.9	1795.5	1793.9	1803.5	1806.7
10°	1776.2	1777.8	1779.4	1790.7	1793.9
12.5°	1753.7	1755.3	1760.1	1774.6	1779.4
15°	1723.1	1728.0	1736.0	1753.7	1760.1
17.5°	1691.0	1697.4	1708.7	1729.6	1736.0
20°	1652.4	1660.5	1676.5	1699.0	1707.1
22.5°	1609.0	1617.1	1639.6	1663.7	1671.7
25°	1565.6	1575.3	1597.8	1625.1	1633.1
27.5°	1514.2	1527.0	1551.2	1578.5	1584.9
30°	1461.1	1472.4	1501.3	1527.0	1538.3
32.5°	1408.1	1419.3	1446.7	1472.4	1480.4
35°	1345.4	1361.5	1388.8	1412.9	1421.0
37.5°	1284.3	1298.8	1327.7	1351.8	1359.9
40°	1220.0	1232.9	1263.4	1285.9	1292.4
42.5°	1155.7	1168.6	1199.1	1216.8	1223.2
45°	1088.2	1102.7	1128.4	1147.7	1152.5
47.5°	1020.7	1032.0	1056.1	1073.8	1080.2
50°	951.6	962.8	987.0	1001.4	1004.6
52.5°	882.5	890.5	913.0	925.9	930.7
55°	813.4	821.4	839.1	853.5	851.9
57.5°	747.4	750.7	768.3	778.0	778.0
60°	673.5	676.7	691.2	697.6	699.2
62.5°	604.4	609.2	620.5	622.1	622.1
65°	536.9	538.5	544.9	548.1	548.1
67.5°	469.4	467.8	474.2	474.2	472.6
70°	398.6	401.9	403.5	400.2	398.6
72.5°	334.3	332.7	332.7	331.1	331.1
75°	271.7	268.4	270.0	263.6	262.0
77.5°	213.8	209.0	207.4	204.1	200.9
80°	154.3	154.3	152.7	149.5	147.9
82.5°	102.9	102.9	101.3	98.1	94.8
85°	57.9	57.9	56.3	51.4	49.8
87.5°	19.3	19.3	19.3	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)