

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: P258470

Luminaire Tested: **D3X-WG-74L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-74L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6005.5 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

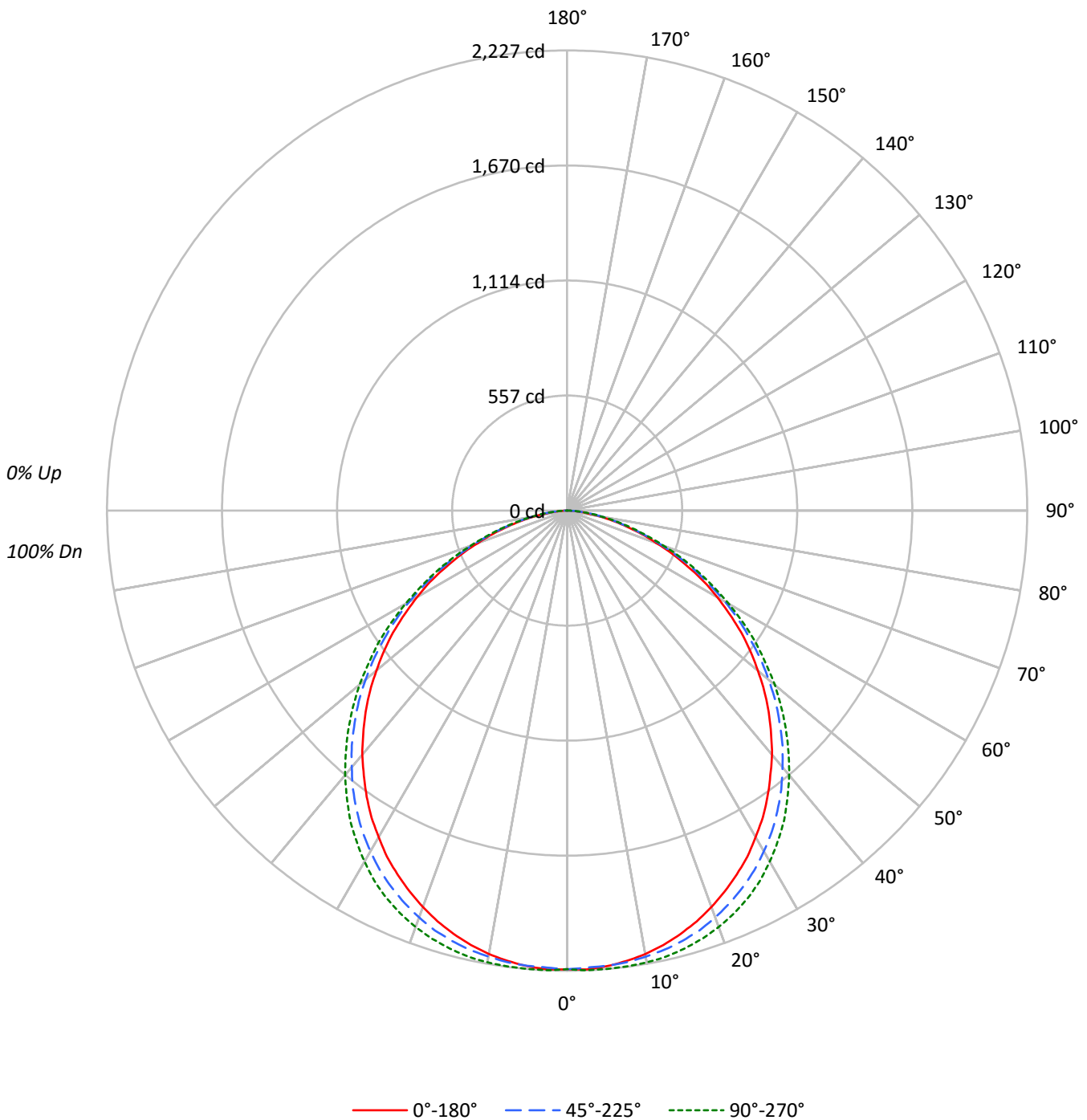
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2987	2987	2987
5°	2990	2987	3007
10°	2977	2995	3033
15°	2955	3003	3057
20°	2923	3000	3071
25°	2884	2986	3072
30°	2834	2958	3048
35°	2777	2915	3007
40°	2709	2849	2936
45°	2624	2767	2849
50°	2522	2666	2747
55°	2412	2533	2614
60°	2258	2373	2431
65°	2061	2171	2226
70°	1811	1904	1955
75°	1532	1611	1666
80°	1216	1333	1367
85°	831	996	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	3.5
10°-20°	609.0	10.1
20°-30°	925.5	15.4
30°-40°	1104.4	18.4
40°-50°	1115.4	18.6
50°-60°	961.0	16.0
60°-70°	669.9	11.2
70°-80°	332.0	5.5
80°-90°	77.4	1.3
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°	1745.5	29.1
0°-40°	2849.8	47.5
0°-60°	4926.2	82.0
0°-90°	6005.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6005.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2214	2212	2212	2222	2227	210
15°	2121	2132	2156	2184	2194	598
25°	1943	1968	2011	2052	2070	895
35°	1691	1719	1775	1816	1831	1057
45°	1379	1409	1454	1489	1497	1063
55°	1028	1050	1080	1106	1114	917
65°	648	660	682	688	699	643
75°	295	299	310	316	320	318
85°	54	64	64	60	62	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2220.1	2220.1	2220.1	2220.1	2220.1
2.5°	2222.3	2218.0	2213.6	2222.3	2226.6
5°	2213.6	2211.5	2211.5	2222.3	2226.6
7.5°	2198.6	2198.6	2205.0	2220.1	2224.4
10°	2179.2	2183.5	2192.1	2213.6	2220.1
12.5°	2153.4	2162.0	2177.1	2202.9	2211.5
15°	2121.1	2131.9	2155.6	2183.5	2194.3
17.5°	2084.6	2099.6	2129.8	2162.0	2172.8
20°	2041.5	2060.9	2095.3	2131.9	2144.8
22.5°	1994.2	2017.9	2056.6	2095.3	2110.4
25°	1942.6	1968.4	2011.4	2052.3	2069.5
27.5°	1888.8	1914.6	1962.0	2002.8	2020.0
30°	1824.3	1854.4	1903.9	1946.9	1962.0
32.5°	1761.9	1792.0	1843.6	1882.4	1897.4
35°	1690.9	1718.9	1774.8	1815.7	1830.7
37.5°	1615.6	1647.9	1701.6	1738.2	1751.1
40°	1542.5	1570.4	1622.1	1658.6	1671.5
42.5°	1460.7	1490.8	1542.5	1574.7	1585.5
45°	1379.0	1409.1	1454.3	1488.7	1497.3
47.5°	1295.1	1323.0	1368.2	1396.2	1404.8
50°	1204.7	1230.5	1273.5	1301.5	1312.3
52.5°	1118.7	1142.3	1178.9	1202.6	1209.0
55°	1028.3	1049.8	1079.9	1105.7	1114.4
57.5°	931.5	955.2	983.1	1004.6	1011.1
60°	839.0	858.4	882.0	901.4	903.5
62.5°	748.6	757.2	778.8	796.0	798.1
65°	647.5	660.4	682.0	688.4	699.2
67.5°	555.0	563.6	580.8	589.4	598.1
70°	460.4	466.8	484.0	494.8	496.9
72.5°	378.6	380.8	393.7	402.3	404.4
75°	294.7	299.0	309.8	316.2	320.5
77.5°	223.7	228.0	236.6	240.9	240.9
80°	157.0	163.5	172.1	174.3	176.4
82.5°	101.1	109.7	116.2	118.3	114.0
85°	53.8	64.5	64.5	60.2	62.4
87.5°	19.4	23.7	25.8	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)