

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: P258450

Luminaire Tested: **D3X-WG-55L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258450
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-55L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4217.2 lumens
Efficiency: N/A
Efficacy: 98.8 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

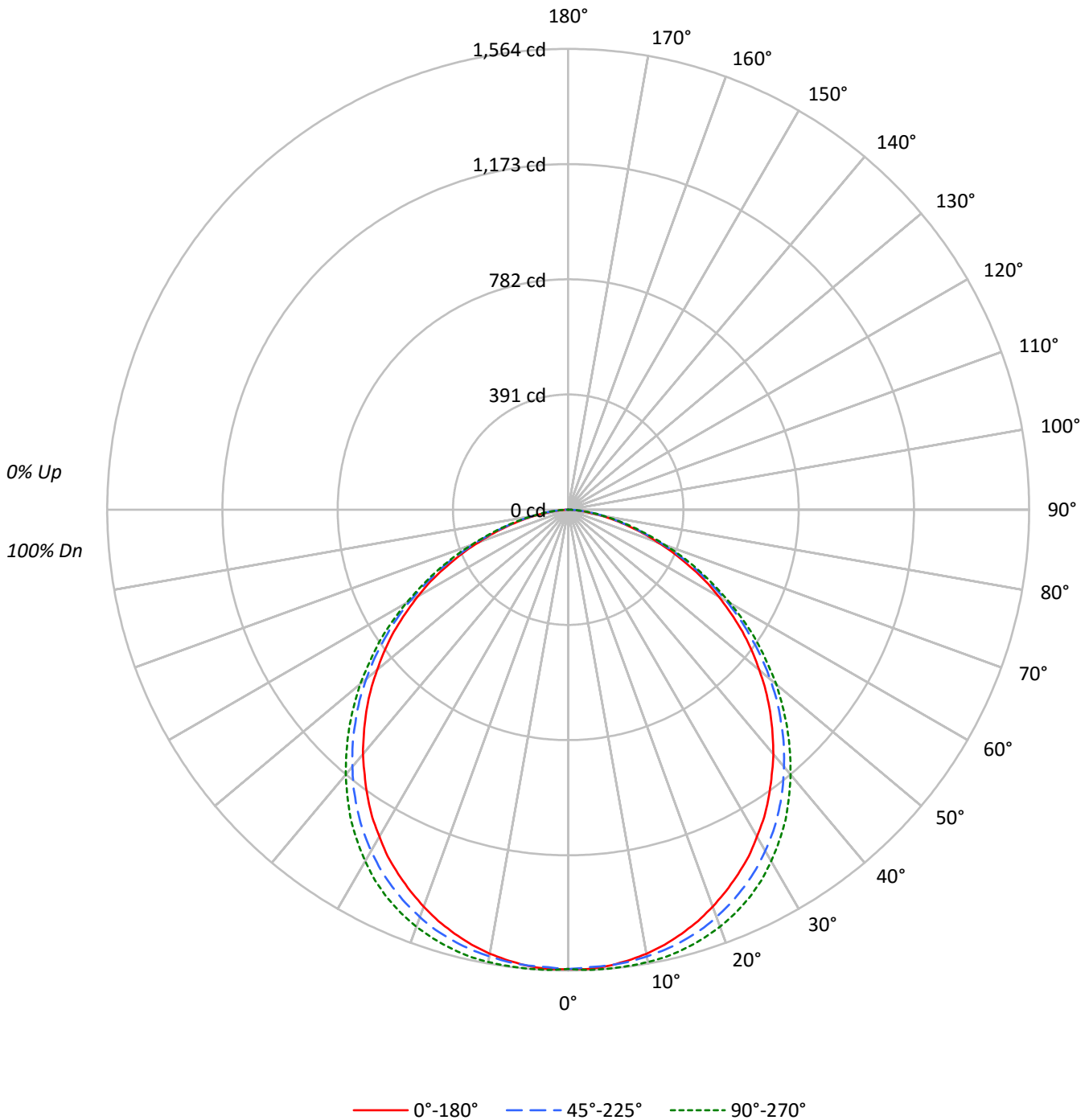
Input Watts (W): 42.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2098	2098	2098
5°	2100	2098	2112
10°	2091	2103	2130
15°	2075	2109	2146
20°	2053	2107	2156
25°	2025	2097	2158
30°	1990	2077	2140
35°	1950	2047	2112
40°	1902	2001	2062
45°	1842	1943	2001
50°	1771	1872	1929
55°	1694	1779	1836
60°	1586	1667	1707
65°	1448	1525	1563
70°	1272	1337	1373
75°	1076	1131	1170
80°	855	937	960
85°	584	699	676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	3.5
10°-20°	427.7	10.1
20°-30°	649.9	15.4
30°-40°	775.5	18.4
40°-50°	783.2	18.6
50°-60°	674.8	16.0
60°-70°	470.4	11.2
70°-80°	233.1	5.5
80°-90°	54.4	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°	1225.7	29.1
0°-40°	2001.2	47.5
0°-60°	3459.3	82.0
0°-90°	4217.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4217.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1559	1559	1559	1559	1559	
5°	1554	1553	1553	1560	1564	148
15°	1490	1497	1514	1533	1541	420
25°	1364	1382	1412	1441	1453	628
35°	1187	1207	1246	1275	1286	742
45°	968	990	1021	1045	1051	746
55°	722	737	758	776	782	644
65°	455	464	479	483	491	452
75°	207	210	218	222	225	223
85°	38	45	45	42	44	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1559.0	1559.0	1559.0	1559.0	1559.0
2.5°	1560.5	1557.5	1554.5	1560.5	1563.5
5°	1554.5	1553.0	1553.0	1560.5	1563.5
7.5°	1543.9	1543.9	1548.4	1559.0	1562.0
10°	1530.3	1533.3	1539.4	1554.5	1559.0
12.5°	1512.2	1518.2	1528.8	1546.9	1553.0
15°	1489.5	1497.1	1513.7	1533.3	1540.9
17.5°	1463.8	1474.4	1495.6	1518.2	1525.8
20°	1433.6	1447.2	1471.4	1497.1	1506.1
22.5°	1400.4	1417.0	1444.2	1471.4	1482.0
25°	1364.1	1382.3	1412.5	1441.2	1453.3
27.5°	1326.4	1344.5	1377.7	1406.4	1418.5
30°	1281.0	1302.2	1336.9	1367.1	1377.7
32.5°	1237.2	1258.4	1294.6	1321.8	1332.4
35°	1187.4	1207.0	1246.3	1275.0	1285.6
37.5°	1134.5	1157.2	1194.9	1220.6	1229.7
40°	1083.1	1102.8	1139.0	1164.7	1173.8
42.5°	1025.7	1046.9	1083.1	1105.8	1113.4
45°	968.3	989.5	1021.2	1045.4	1051.4
47.5°	909.4	929.1	960.8	980.4	986.5
50°	846.0	864.1	894.3	914.0	921.5
52.5°	785.5	802.2	827.8	844.5	849.0
55°	722.1	737.2	758.4	776.5	782.5
57.5°	654.1	670.7	690.4	705.5	710.0
60°	589.2	602.8	619.4	633.0	634.5
62.5°	525.7	531.8	546.9	558.9	560.5
65°	454.7	463.8	478.9	483.4	491.0
67.5°	389.8	395.8	407.9	413.9	420.0
70°	323.3	327.8	339.9	347.5	349.0
72.5°	265.9	267.4	276.5	282.5	284.0
75°	207.0	210.0	217.5	222.1	225.1
77.5°	157.1	160.1	166.2	169.2	169.2
80°	110.3	114.8	120.9	122.4	123.9
82.5°	71.0	77.0	81.6	83.1	80.1
85°	37.8	45.3	45.3	42.3	43.8
87.5°	13.6	16.6	18.1	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)