

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: P257302

Luminaire Tested: **D3X-WD-44L840-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-44L840-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4102.9 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

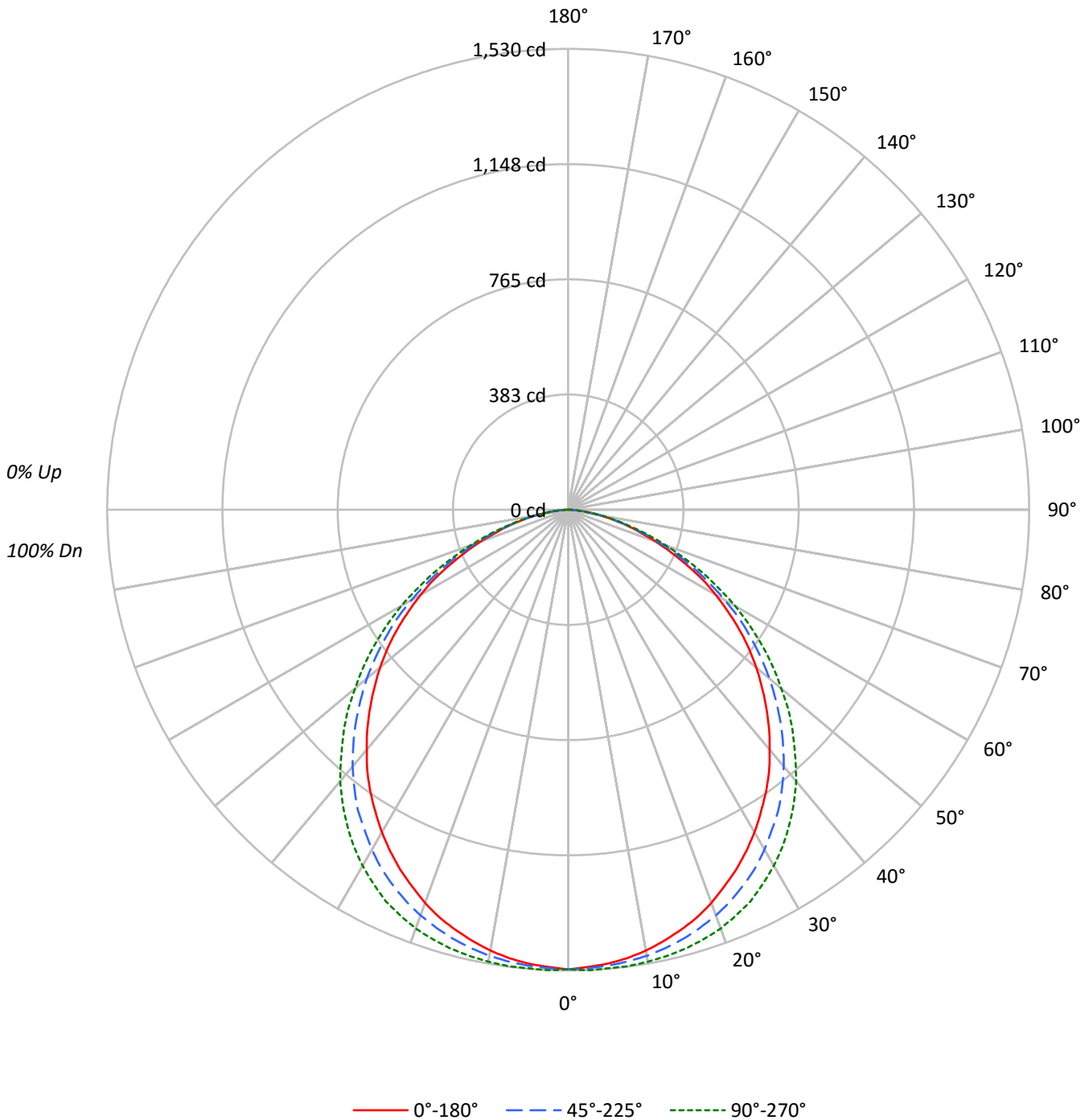
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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		48	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	31	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°	4106	4106	4106
5°	4086	4104	4128
10°	4061	4109	4164
15°	4024	4110	4202
20°	3978	4105	4237
25°	3915	4085	4256
30°	3843	4049	4241
35°	3758	3997	4201
40°	3654	3910	4135
45°	3538	3790	4017
50°	3412	3652	3864
55°	3253	3471	3689
60°	3043	3233	3447
65°	2756	2925	3108
70°	2433	2554	2693
75°	2090	2136	2227
80°	1677	1711	1745
85°	1229	1090	1090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	3.5
10°-20°	416.6	10.2
20°-30°	633.6	15.4
30°-40°	758.1	18.5
40°-50°	766.4	18.7
50°-60°	659.5	16.1
60°-70°	455.3	11.1
70°-80°	220.8	5.4
80°-90°	47.9	1.2
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°	1194.8	29.1
0°-40°	1952.9	47.6
0°-60°	3378.8	82.4
0°-90°	4102.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4102.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1526	1526	1526	1526	1526	
5°	1513	1515	1519	1526	1528	144
15°	1444	1453	1475	1497	1508	407
25°	1318	1334	1376	1418	1433	607
35°	1144	1164	1217	1261	1279	715
45°	930	947	996	1038	1056	717
55°	693	704	740	773	786	618
65°	433	440	459	479	488	431
75°	201	196	205	212	214	213
85°	40	40	35	35	35	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1526.0	1526.0	1526.0	1526.0	1526.0
2.5°	1519.4	1519.4	1523.8	1528.2	1530.4
5°	1512.8	1515.0	1519.4	1526.0	1528.2
7.5°	1501.7	1503.9	1512.8	1523.8	1528.2
10°	1486.3	1490.7	1503.9	1517.2	1523.8
12.5°	1466.4	1475.2	1490.7	1508.4	1517.2
15°	1444.3	1453.1	1475.2	1497.3	1508.4
17.5°	1420.0	1428.9	1455.4	1484.1	1495.1
20°	1389.1	1402.3	1433.3	1466.4	1479.6
22.5°	1353.8	1371.4	1406.8	1442.1	1457.6
25°	1318.4	1333.9	1375.8	1417.8	1433.3
27.5°	1278.7	1296.3	1342.7	1384.7	1400.1
30°	1236.7	1254.4	1303.0	1349.3	1364.8
32.5°	1190.3	1212.4	1258.8	1307.4	1325.1
35°	1144.0	1163.8	1216.8	1261.0	1278.7
37.5°	1095.4	1113.0	1166.0	1212.4	1230.1
40°	1040.2	1060.0	1113.0	1159.4	1177.1
42.5°	987.2	1007.0	1055.6	1099.8	1115.3
45°	929.7	947.4	996.0	1038.0	1055.6
47.5°	872.3	892.2	934.2	976.1	993.8
50°	814.9	830.4	872.3	912.1	923.1
52.5°	755.3	768.5	806.1	841.4	856.9
55°	693.4	704.5	739.8	772.9	786.2
57.5°	627.2	640.4	673.6	697.9	713.3
60°	565.4	572.0	600.7	625.0	640.4
62.5°	503.5	505.7	527.8	552.1	560.9
65°	432.9	439.5	459.4	479.2	488.1
67.5°	368.8	375.4	390.9	406.4	413.0
70°	309.2	309.2	324.6	335.7	342.3
72.5°	249.6	251.8	262.8	269.4	276.1
75°	201.0	196.5	205.4	212.0	214.2
77.5°	150.2	148.0	154.6	156.8	161.2
80°	108.2	108.2	110.4	112.6	112.6
82.5°	70.7	70.7	72.9	68.5	66.3
85°	39.8	39.8	35.3	35.3	35.3
87.5°	13.3	13.3	13.3	15.5	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)