

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: P258439

Luminaire Tested: **D3X-WG-45L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258439
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-45L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3580.6 lumens
Efficiency: N/A
Efficacy: 105.3 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

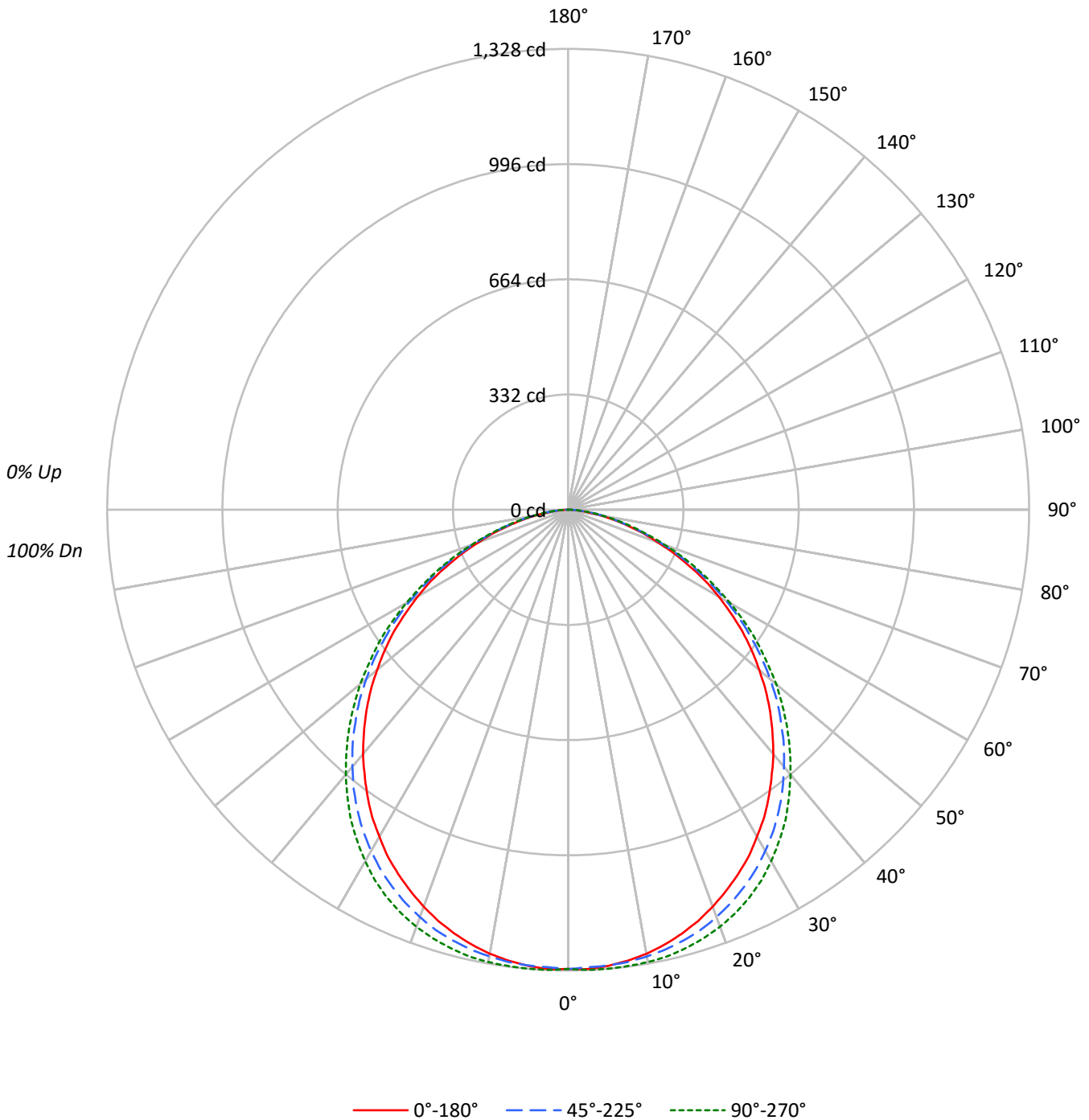
Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1781	1781	1781
5°	1783	1781	1793
10°	1775	1786	1808
15°	1762	1790	1822
20°	1743	1789	1831
25°	1719	1780	1832
30°	1690	1764	1817
35°	1656	1738	1793
40°	1615	1699	1750
45°	1564	1650	1699
50°	1504	1589	1638
55°	1438	1510	1559
60°	1346	1415	1450
65°	1229	1294	1327
70°	1080	1135	1166
75°	913	960	993
80°	725	795	815
85°	496	594	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	3.5
10°-20°	363.1	10.1
20°-30°	551.8	15.4
30°-40°	658.4	18.4
40°-50°	665.0	18.6
50°-60°	573.0	16.0
60°-70°	399.4	11.2
70°-80°	197.9	5.5
80°-90°	46.2	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°	1040.7	29.1
0°-40°	1699.1	47.5
0°-60°	2937.1	82.0
0°-90°	3580.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3580.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1320	1318	1318	1325	1328	125
15°	1265	1271	1285	1302	1308	357
25°	1158	1174	1199	1224	1234	534
35°	1008	1025	1058	1082	1092	630
45°	822	840	867	888	893	634
55°	613	626	644	659	664	546
65°	386	394	407	410	417	383
75°	176	178	185	188	191	189
85°	32	38	38	36	37	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1323.7	1323.7	1323.7	1323.7	1323.7
2.5°	1325.0	1322.4	1319.8	1325.0	1327.5
5°	1319.8	1318.5	1318.5	1325.0	1327.5
7.5°	1310.9	1310.9	1314.7	1323.7	1326.2
10°	1299.3	1301.9	1307.0	1319.8	1323.7
12.5°	1283.9	1289.0	1298.0	1313.4	1318.5
15°	1264.7	1271.1	1285.2	1301.9	1308.3
17.5°	1242.9	1251.8	1269.8	1289.0	1295.5
20°	1217.2	1228.8	1249.3	1271.1	1278.8
22.5°	1189.0	1203.1	1226.2	1249.3	1258.3
25°	1158.2	1173.6	1199.3	1223.6	1233.9
27.5°	1126.2	1141.5	1169.8	1194.1	1204.4
30°	1087.7	1105.6	1135.1	1160.8	1169.8
32.5°	1050.5	1068.4	1099.2	1122.3	1131.3
35°	1008.1	1024.8	1058.2	1082.5	1091.5
37.5°	963.3	982.5	1014.6	1036.4	1044.1
40°	919.6	936.3	967.1	988.9	996.6
42.5°	870.9	888.9	919.6	938.9	945.3
45°	822.2	840.1	867.1	887.6	892.7
47.5°	772.1	788.8	815.8	832.4	837.6
50°	718.3	733.7	759.3	776.0	782.4
52.5°	667.0	681.1	702.9	717.0	720.8
55°	613.1	625.9	643.9	659.3	664.4
57.5°	555.4	569.5	586.2	599.0	602.8
60°	500.2	511.8	525.9	537.4	538.7
62.5°	446.4	451.5	464.3	474.6	475.9
65°	386.1	393.8	406.6	410.4	416.9
67.5°	330.9	336.0	346.3	351.4	356.6
70°	274.5	278.3	288.6	295.0	296.3
72.5°	225.7	227.0	234.7	239.9	241.1
75°	175.7	178.3	184.7	188.5	191.1
77.5°	133.4	136.0	141.1	143.7	143.7
80°	93.6	97.5	102.6	103.9	105.2
82.5°	60.3	65.4	69.3	70.5	68.0
85°	32.1	38.5	38.5	35.9	37.2
87.5°	11.5	14.1	15.4	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)