

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: P258381

Luminaire Tested: **D3X-WD-45L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-45L940-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3667.5 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

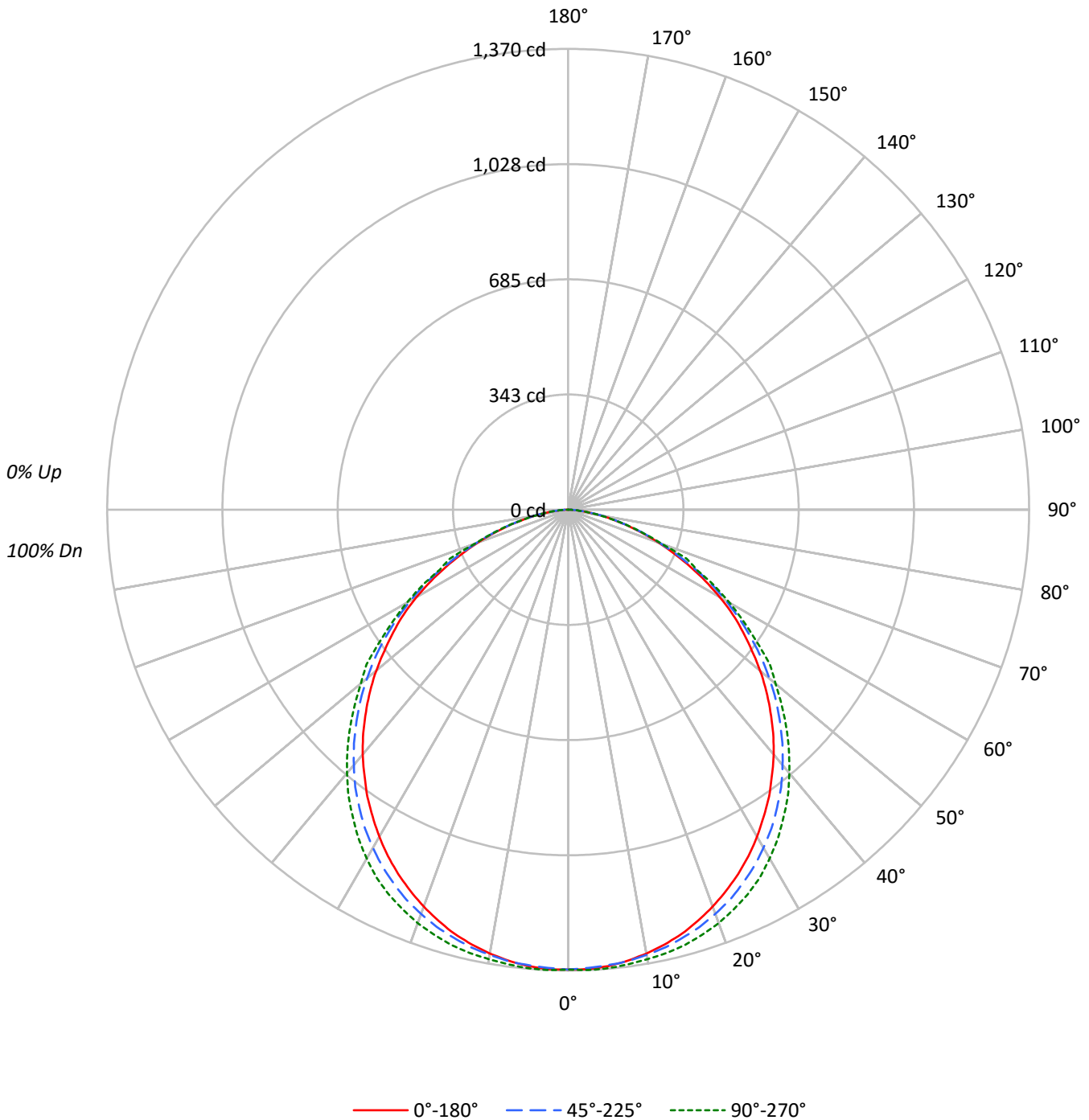
Input Watts (W): 34  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93	94	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	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	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	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°	1840	1840	1840
5°	1839	1836	1848
10°	1830	1836	1854
15°	1818	1835	1866
20°	1798	1831	1873
25°	1774	1821	1873
30°	1744	1803	1860
35°	1710	1777	1833
40°	1669	1740	1796
45°	1618	1693	1745
50°	1559	1633	1683
55°	1488	1556	1602
60°	1402	1455	1491
65°	1273	1316	1341
70°	1118	1144	1160
75°	944	958	964
80°	755	765	745
85°	508	528	508



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.6	3.5
10°-20°	372.6	10.2
20°-30°	565.3	15.4
30°-40°	675.0	18.4
40°-50°	683.3	18.6
50°-60°	590.7	16.1
60°-70°	409.4	11.2
70°-80°	198.1	5.4
80°-90°	43.6	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°	1067.5	29.1
0°-40°	1742.5	47.5
0°-60°	3016.5	82.2
0°-90°	3667.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3667.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1362	1361	1359	1366	1368	129
15°	1305	1308	1317	1333	1340	368
25°	1195	1203	1226	1251	1262	550
35°	1041	1050	1082	1109	1116	650
45°	850	862	890	912	917	656
55°	634	641	663	691	683	567
65°	400	404	413	420	421	396
75°	182	183	184	183	186	195
85°	33	36	34	33	33	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1367.2	1367.2	1367.2	1367.2	1367.2
2.5°	1367.2	1365.9	1363.3	1367.2	1369.8
5°	1361.9	1360.6	1359.3	1365.9	1368.5
7.5°	1352.7	1352.7	1354.1	1360.6	1363.3
10°	1339.6	1340.9	1343.5	1354.1	1356.7
12.5°	1323.8	1326.4	1333.0	1344.8	1350.1
15°	1305.4	1308.0	1317.2	1333.0	1339.6
17.5°	1281.7	1286.9	1300.1	1318.5	1325.1
20°	1255.4	1261.9	1279.0	1300.1	1308.0
22.5°	1226.4	1233.0	1255.4	1277.7	1285.6
25°	1194.8	1202.7	1226.4	1251.4	1261.9
27.5°	1160.6	1169.8	1196.1	1222.5	1233.0
30°	1122.5	1133.0	1160.6	1188.2	1197.5
32.5°	1081.7	1092.2	1123.8	1150.1	1159.3
35°	1040.9	1050.1	1081.7	1109.3	1115.9
37.5°	994.8	1005.3	1039.6	1063.2	1072.5
40°	950.1	960.6	990.9	1014.6	1022.4
42.5°	901.4	911.9	942.2	964.5	971.1
45°	850.1	861.9	889.5	911.9	917.2
47.5°	798.7	808.0	836.9	856.6	860.6
50°	744.8	754.0	780.3	800.1	804.0
52.5°	688.2	702.7	723.7	738.2	755.3
55°	634.3	640.8	663.2	690.8	682.9
57.5°	580.3	584.3	602.7	614.5	617.2
60°	521.1	526.4	540.8	547.4	554.0
62.5°	459.2	463.2	480.3	486.9	489.5
65°	400.0	404.0	413.2	419.8	421.1
67.5°	339.5	343.4	351.3	356.6	380.3
70°	284.2	286.9	290.8	301.3	294.8
72.5°	231.6	232.9	236.9	236.9	238.2
75°	181.6	182.9	184.2	182.9	185.5
77.5°	135.5	138.2	139.5	138.2	136.9
80°	97.4	100.0	98.7	96.1	96.1
82.5°	63.2	64.5	63.2	61.8	61.8
85°	32.9	35.5	34.2	32.9	32.9
87.5°	11.8	13.2	14.5	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)