

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: P258379

Luminaire Tested: **D3X-WD-45L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258379
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-45L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3446.8 lumens
Efficiency: N/A
Efficacy: 101.4 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

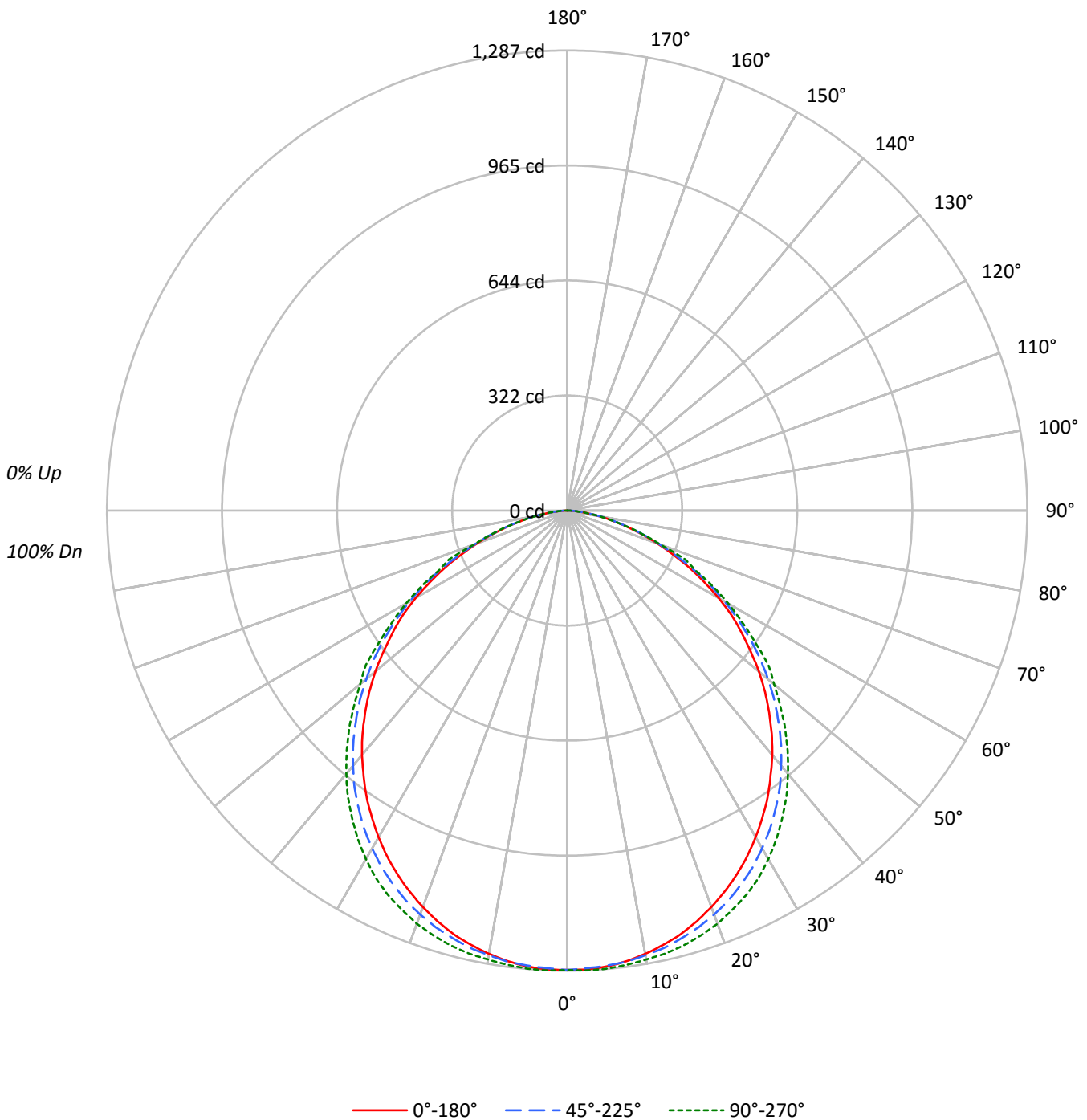
Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1729	1729	1729
5°	1729	1725	1737
10°	1720	1725	1742
15°	1709	1724	1754
20°	1689	1721	1760
25°	1667	1711	1761
30°	1639	1695	1748
35°	1607	1670	1723
40°	1568	1636	1688
45°	1520	1591	1640
50°	1465	1535	1582
55°	1398	1462	1506
60°	1318	1368	1401
65°	1197	1236	1260
70°	1051	1075	1090
75°	887	900	907
80°	709	719	700
85°	477	497	477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	3.5
10°-20°	350.2	10.2
20°-30°	531.3	15.4
30°-40°	634.3	18.4
40°-50°	642.2	18.6
50°-60°	555.1	16.1
60°-70°	384.7	11.2
70°-80°	186.2	5.4
80°-90°	40.9	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°	1003.3	29.1
0°-40°	1637.6	47.5
0°-60°	2834.9	82.2
0°-90°	3446.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3446.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1280	1279	1278	1284	1286	122
15°	1227	1229	1238	1253	1259	346
25°	1123	1130	1153	1176	1186	517
35°	978	987	1017	1042	1049	611
45°	799	810	836	857	862	616
55°	596	602	623	649	642	533
65°	376	380	388	394	396	372
75°	171	172	173	172	174	183
85°	31	33	32	31	31	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.9	1284.9	1284.9	1284.9	1284.9
2.5°	1284.9	1283.7	1281.2	1284.9	1287.4
5°	1280.0	1278.7	1277.5	1283.7	1286.2
7.5°	1271.3	1271.3	1272.5	1278.7	1281.2
10°	1258.9	1260.2	1262.7	1272.5	1275.0
12.5°	1244.1	1246.6	1252.8	1263.9	1268.8
15°	1226.8	1229.3	1237.9	1252.8	1258.9
17.5°	1204.5	1209.5	1221.8	1239.2	1245.3
20°	1179.8	1186.0	1202.1	1221.8	1229.3
22.5°	1152.6	1158.8	1179.8	1200.8	1208.2
25°	1122.9	1130.3	1152.6	1176.1	1186.0
27.5°	1090.8	1099.4	1124.1	1148.9	1158.8
30°	1054.9	1064.8	1090.8	1116.7	1125.4
32.5°	1016.6	1026.4	1056.1	1080.9	1089.5
35°	978.2	986.9	1016.6	1042.5	1048.7
37.5°	934.9	944.8	977.0	999.2	1007.9
40°	892.9	902.8	931.2	953.5	960.9
42.5°	847.1	857.0	885.5	906.5	912.7
45°	798.9	810.0	836.0	857.0	862.0
47.5°	750.7	759.3	786.5	805.1	808.8
50°	700.0	708.6	733.4	751.9	755.6
52.5°	646.8	660.4	680.2	693.8	709.9
55°	596.1	602.3	623.3	649.3	641.8
57.5°	545.4	549.1	566.4	577.5	580.0
60°	489.7	494.7	508.3	514.5	520.6
62.5°	431.6	435.3	451.4	457.6	460.0
65°	376.0	379.7	388.3	394.5	395.7
67.5°	319.1	322.8	330.2	335.1	357.4
70°	267.1	269.6	273.3	283.2	277.0
72.5°	217.7	218.9	222.6	222.6	223.8
75°	170.7	171.9	173.1	171.9	174.4
77.5°	127.4	129.9	131.1	129.9	128.6
80°	91.5	94.0	92.8	90.3	90.3
82.5°	59.4	60.6	59.4	58.1	58.1
85°	30.9	33.4	32.2	30.9	30.9
87.5°	11.1	12.4	13.6	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)