

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: P257534

Luminaire Tested: **D3X-WO-35L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3487.2 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

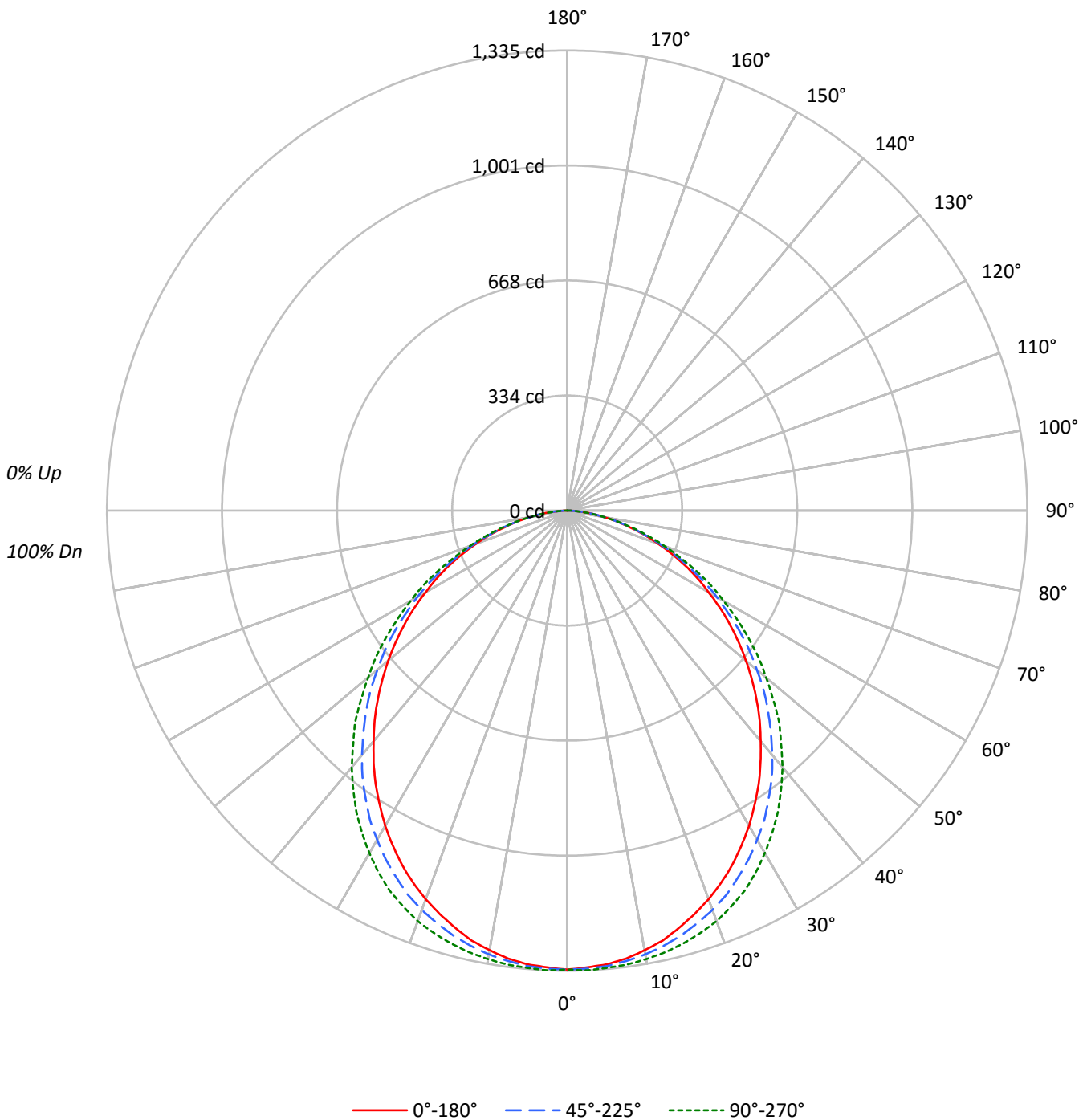
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3584	3584	3584
5°	3569	3583	3597
10°	3539	3572	3610
15°	3492	3555	3623
20°	3436	3530	3630
25°	3366	3485	3614
30°	3280	3426	3566
35°	3183	3348	3502
40°	3068	3251	3416
45°	2960	3138	3311
50°	2835	3009	3154
55°	2704	2867	3006
60°	2551	2701	2822
65°	2410	2499	2620
70°	2213	2282	2364
75°	1968	2022	2076
80°	1695	1667	1667
85°	1288	1179	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	3.6
10°-20°	360.1	10.3
20°-30°	540.6	15.5
30°-40°	636.3	18.2
40°-50°	634.7	18.2
50°-60°	544.6	15.6
60°-70°	390.1	11.2
70°-80°	206.6	5.9
80°-90°	48.3	1.4
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°	1026.7	29.4
0°-40°	1663.0	47.7
0°-60°	2842.3	81.5
0°-90°	3487.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3487.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1321	1321	1326	1330	1332	125
15°	1254	1259	1276	1294	1300	353
25°	1134	1144	1174	1203	1217	522
35°	969	981	1019	1054	1066	605
45°	778	790	825	854	870	600
55°	576	585	611	632	641	515
65°	378	380	392	408	412	374
75°	189	189	194	198	200	203
85°	42	40	38	35	35	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.7	1331.7	1331.7	1331.7	1331.7
2.5°	1326.5	1326.5	1330.0	1333.5	1335.2
5°	1321.3	1321.3	1326.5	1330.0	1331.7
7.5°	1310.9	1310.9	1317.8	1324.8	1328.3
10°	1295.3	1298.7	1307.4	1317.8	1321.3
12.5°	1277.9	1281.4	1293.5	1307.4	1312.6
15°	1253.6	1258.8	1276.2	1293.5	1300.5
17.5°	1227.6	1234.5	1255.3	1276.2	1284.9
20°	1199.8	1206.7	1232.8	1257.1	1267.5
22.5°	1168.5	1177.2	1206.7	1232.8	1243.2
25°	1133.8	1144.2	1173.7	1203.2	1217.1
27.5°	1095.6	1107.8	1140.7	1172.0	1184.1
30°	1055.7	1069.6	1102.5	1135.5	1147.7
32.5°	1012.3	1024.4	1064.3	1095.6	1107.8
35°	968.8	981.0	1019.2	1053.9	1066.1
37.5°	922.0	937.6	975.8	1007.0	1019.2
40°	873.4	889.0	925.4	961.9	972.3
42.5°	826.5	840.4	875.1	908.1	918.5
45°	777.9	790.0	824.7	854.3	869.9
47.5°	727.5	739.7	774.4	802.2	810.8
50°	677.2	689.3	718.8	743.1	753.5
52.5°	626.8	639.0	666.7	689.3	699.7
55°	576.4	585.1	611.2	632.0	640.7
57.5°	526.1	533.0	553.9	576.4	581.7
60°	474.0	482.7	501.8	517.4	524.4
62.5°	427.1	430.6	448.0	461.9	470.5
65°	378.5	380.2	392.4	408.0	411.5
67.5°	328.2	329.9	342.0	350.7	354.2
70°	281.3	281.3	290.0	296.9	300.4
72.5°	236.1	234.4	239.6	246.6	250.0
75°	189.3	189.3	194.5	197.9	199.7
77.5°	149.3	145.8	149.3	152.8	152.8
80°	109.4	107.6	107.6	109.4	107.6
82.5°	74.7	72.9	74.7	71.2	69.5
85°	41.7	39.9	38.2	34.7	34.7
87.5°	13.9	12.2	12.2	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)