

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: P257290

Luminaire Tested: **D3X-WD-35L840-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257290
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-35L840-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: 3307.1 lumens
Efficiency: N/A
Efficacy: 108.1 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

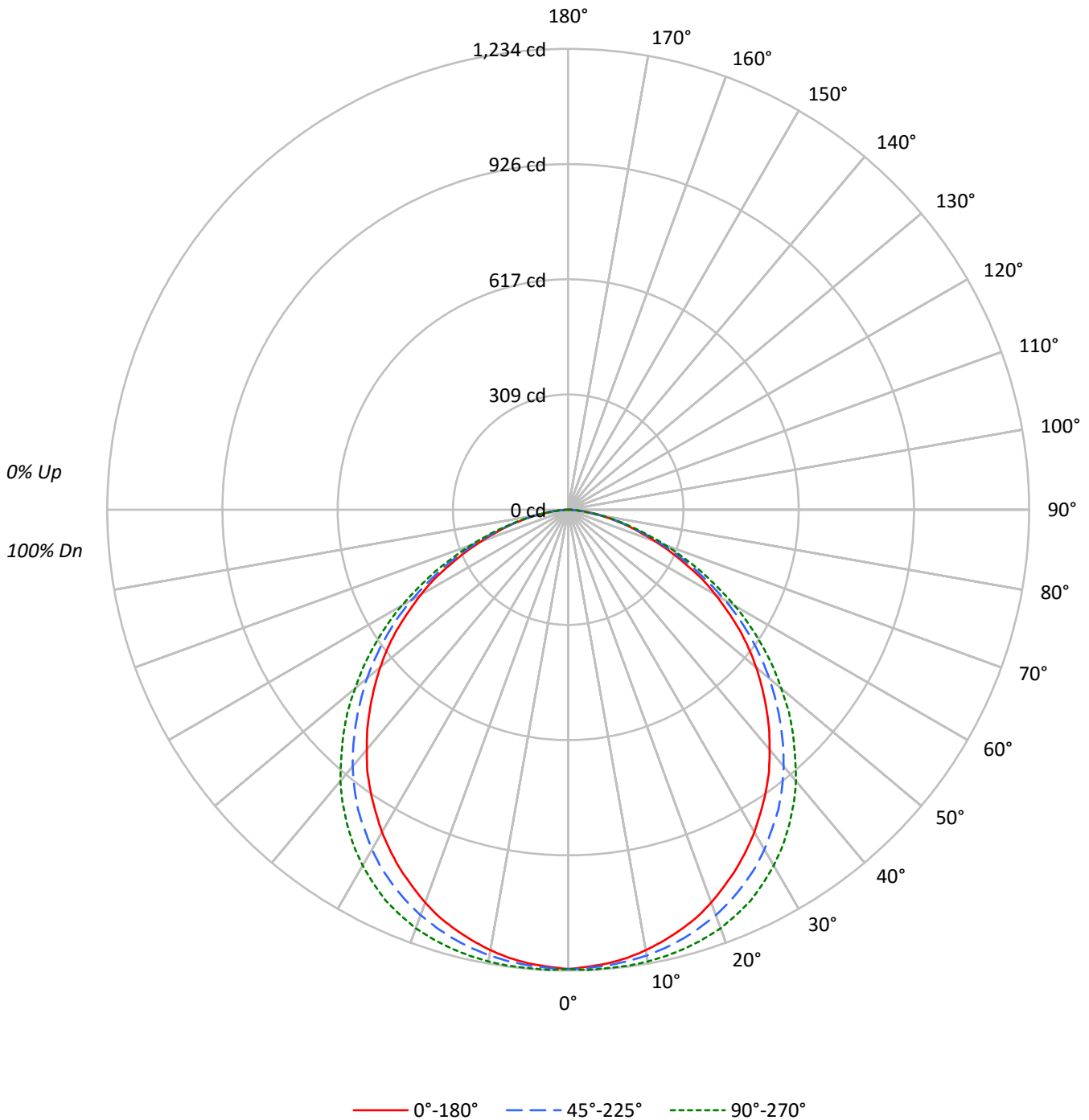
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3310	3310	3310
5°	3294	3308	3327
10°	3274	3312	3356
15°	3243	3313	3387
20°	3206	3308	3416
25°	3155	3293	3430
30°	3097	3264	3418
35°	3029	3222	3386
40°	2945	3152	3333
45°	2852	3055	3238
50°	2750	2943	3115
55°	2622	2798	2973
60°	2453	2606	2778
65°	2222	2358	2505
70°	1961	2059	2171
75°	1684	1721	1796
80°	1351	1379	1407
85°	988	880	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	3.5
10°-20°	335.8	10.2
20°-30°	510.7	15.4
30°-40°	611.1	18.5
40°-50°	617.7	18.7
50°-60°	531.6	16.1
60°-70°	367.0	11.1
70°-80°	178.0	5.4
80°-90°	38.6	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°	963.1	29.1
0°-40°	1574.1	47.6
0°-60°	2723.5	82.4
0°-90°	3307.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3307.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1219	1221	1225	1230	1232	116
15°	1164	1171	1189	1207	1216	328
25°	1063	1075	1109	1143	1155	489
35°	922	938	981	1016	1031	576
45°	749	764	803	837	851	578
55°	559	568	596	623	634	498
65°	349	354	370	386	393	347
75°	162	158	166	171	173	172
85°	32	32	28	28	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1230.0	1230.0	1230.0	1230.0	1230.0
2.5°	1224.7	1224.7	1228.3	1231.8	1233.6
5°	1219.4	1221.1	1224.7	1230.0	1231.8
7.5°	1210.5	1212.2	1219.4	1228.3	1231.8
10°	1198.0	1201.6	1212.2	1222.9	1228.3
12.5°	1182.0	1189.1	1201.6	1215.8	1222.9
15°	1164.2	1171.3	1189.1	1206.9	1215.8
17.5°	1144.6	1151.7	1173.1	1196.2	1205.1
20°	1119.7	1130.4	1155.3	1182.0	1192.7
22.5°	1091.2	1105.4	1133.9	1162.4	1174.9
25°	1062.7	1075.2	1109.0	1142.8	1155.3
27.5°	1030.7	1044.9	1082.3	1116.1	1128.6
30°	996.8	1011.1	1050.3	1087.6	1100.1
32.5°	959.5	977.3	1014.7	1053.8	1068.1
35°	922.1	938.1	980.8	1016.4	1030.7
37.5°	882.9	897.2	939.9	977.3	991.5
40°	838.4	854.4	897.2	934.5	948.8
42.5°	795.7	811.7	850.9	886.5	898.9
45°	749.4	763.7	802.8	836.6	850.9
47.5°	703.1	719.2	753.0	786.8	801.0
50°	656.9	669.3	703.1	735.2	744.1
52.5°	608.8	619.5	649.7	678.2	690.7
55°	558.9	567.8	596.3	623.0	633.7
57.5°	505.5	516.2	542.9	562.5	575.0
60°	455.7	461.0	484.2	503.8	516.2
62.5°	405.9	407.6	425.4	445.0	452.1
65°	348.9	354.2	370.3	386.3	393.4
67.5°	297.3	302.6	315.1	327.5	332.9
70°	249.2	249.2	261.7	270.6	275.9
72.5°	201.2	202.9	211.8	217.2	222.5
75°	162.0	158.4	165.5	170.9	172.7
77.5°	121.0	119.3	124.6	126.4	129.9
80°	87.2	87.2	89.0	90.8	90.8
82.5°	57.0	57.0	58.7	55.2	53.4
85°	32.0	32.0	28.5	28.5	28.5
87.5°	10.7	10.7	10.7	12.5	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)