

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: P257410

Luminaire Tested: **D3X-WG-31L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2626.9 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

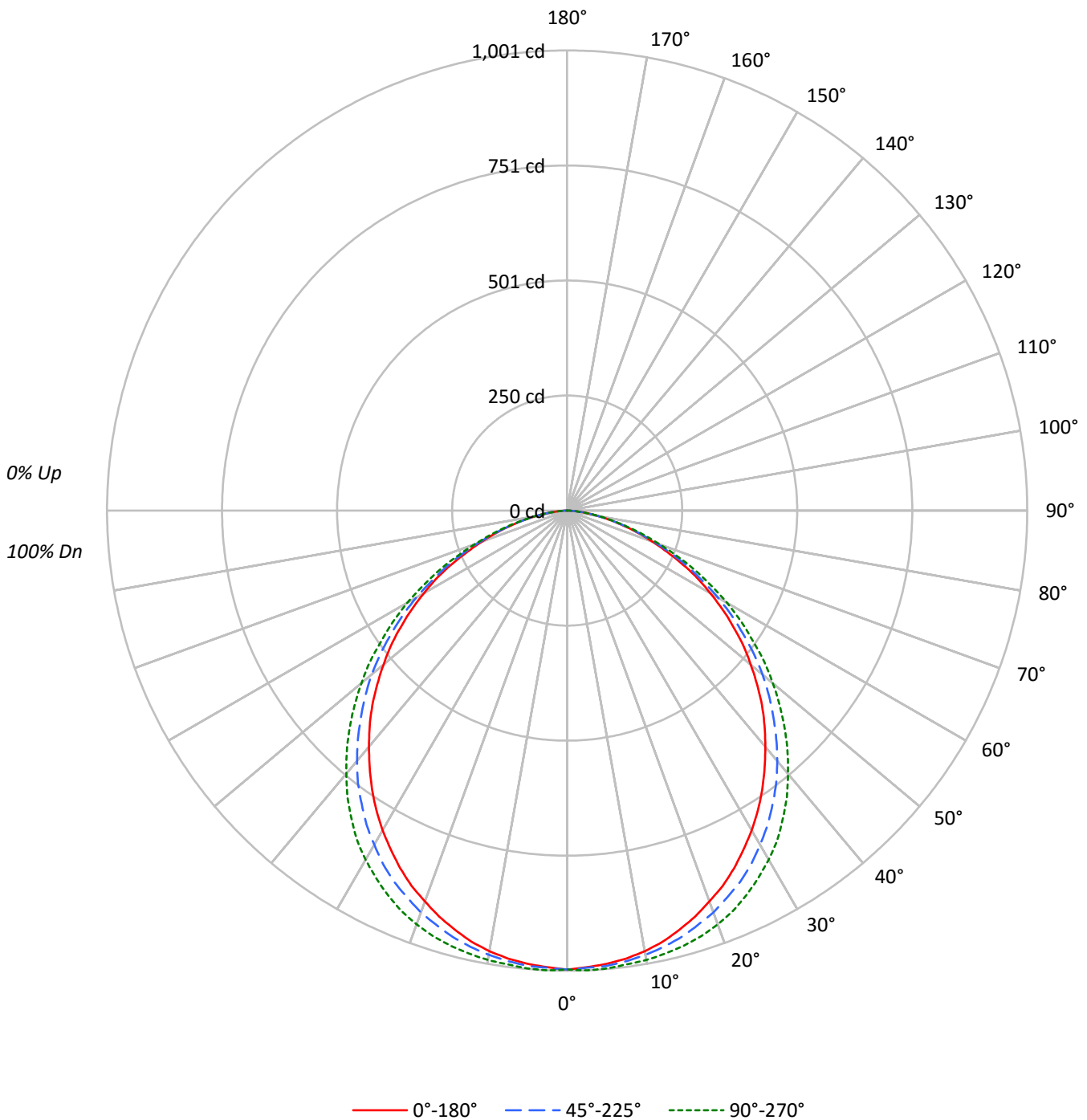
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2686	2686	2686
5°	2674	2685	2700
10°	2659	2682	2713
15°	2630	2676	2730
20°	2591	2663	2743
25°	2550	2645	2741
30°	2495	2608	2725
35°	2432	2560	2689
40°	2356	2498	2625
45°	2281	2414	2547
50°	2183	2323	2446
55°	2074	2191	2309
60°	1936	2041	2161
65°	1767	1847	1953
70°	1547	1613	1678
75°	1319	1349	1406
80°	1058	1080	1102
85°	775	732	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.6
10°-20°	271.2	10.3
20°-30°	410.0	15.6
30°-40°	487.0	18.5
40°-50°	488.9	18.6
50°-60°	417.6	15.9
60°-70°	287.7	11.0
70°-80°	139.5	5.3
80°-90°	30.5	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°	775.7	29.5
0°-40°	1262.6	48.1
0°-60°	2169.1	82.6
0°-90°	2626.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2626.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	990	990	994	997	1000	94
15°	944	948	961	973	980	266
25°	859	866	891	915	923	395
35°	740	752	779	809	818	462
45°	600	608	634	661	669	461
55°	442	449	467	487	492	395
65°	278	278	290	302	307	275
75°	127	124	130	132	135	136
85°	25	25	24	22	22	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	998.3	998.3	998.3	998.3	998.3
2.5°	994.1	994.1	995.5	999.7	1001.1
5°	989.9	989.9	994.1	996.9	999.7
7.5°	982.9	984.3	988.5	994.1	995.5
10°	973.2	974.6	981.5	988.5	992.7
12.5°	960.6	963.4	971.8	982.9	987.1
15°	943.9	948.1	960.6	973.2	980.1
17.5°	925.8	931.3	945.3	963.4	970.4
20°	904.9	911.8	930.0	949.5	957.8
22.5°	883.9	889.5	910.4	932.7	942.5
25°	858.8	865.8	890.9	914.6	923.0
27.5°	831.0	840.7	867.2	892.3	900.7
30°	803.1	811.4	839.3	867.2	877.0
32.5°	772.4	780.8	811.4	839.3	850.5
35°	740.3	751.5	779.4	808.7	818.4
37.5°	705.5	718.0	747.3	772.4	785.0
40°	670.6	681.8	711.1	737.6	747.3
42.5°	635.8	645.5	673.4	701.3	709.7
45°	599.5	607.9	634.4	660.9	669.2
47.5°	560.5	570.2	595.3	617.6	627.4
50°	521.4	531.2	554.9	575.8	584.2
52.5°	483.8	489.4	511.7	531.2	541.0
55°	442.0	448.9	467.1	486.6	492.2
57.5°	401.5	405.7	423.8	440.6	448.9
60°	359.7	362.5	379.2	391.8	401.5
62.5°	320.7	320.7	333.2	347.2	352.7
65°	277.5	277.5	290.0	302.5	306.7
67.5°	235.6	238.4	246.8	256.5	259.3
70°	196.6	196.6	205.0	211.9	213.3
72.5°	161.7	160.3	164.5	170.1	172.9
75°	126.9	124.1	129.7	132.5	135.2
77.5°	96.2	94.8	97.6	100.4	100.4
80°	68.3	66.9	69.7	69.7	71.1
82.5°	44.6	46.0	46.0	44.6	43.2
85°	25.1	25.1	23.7	22.3	22.3
87.5°	8.4	8.4	8.4	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)