

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: P257445

Luminaire Tested: **D3X-WG-31L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
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-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

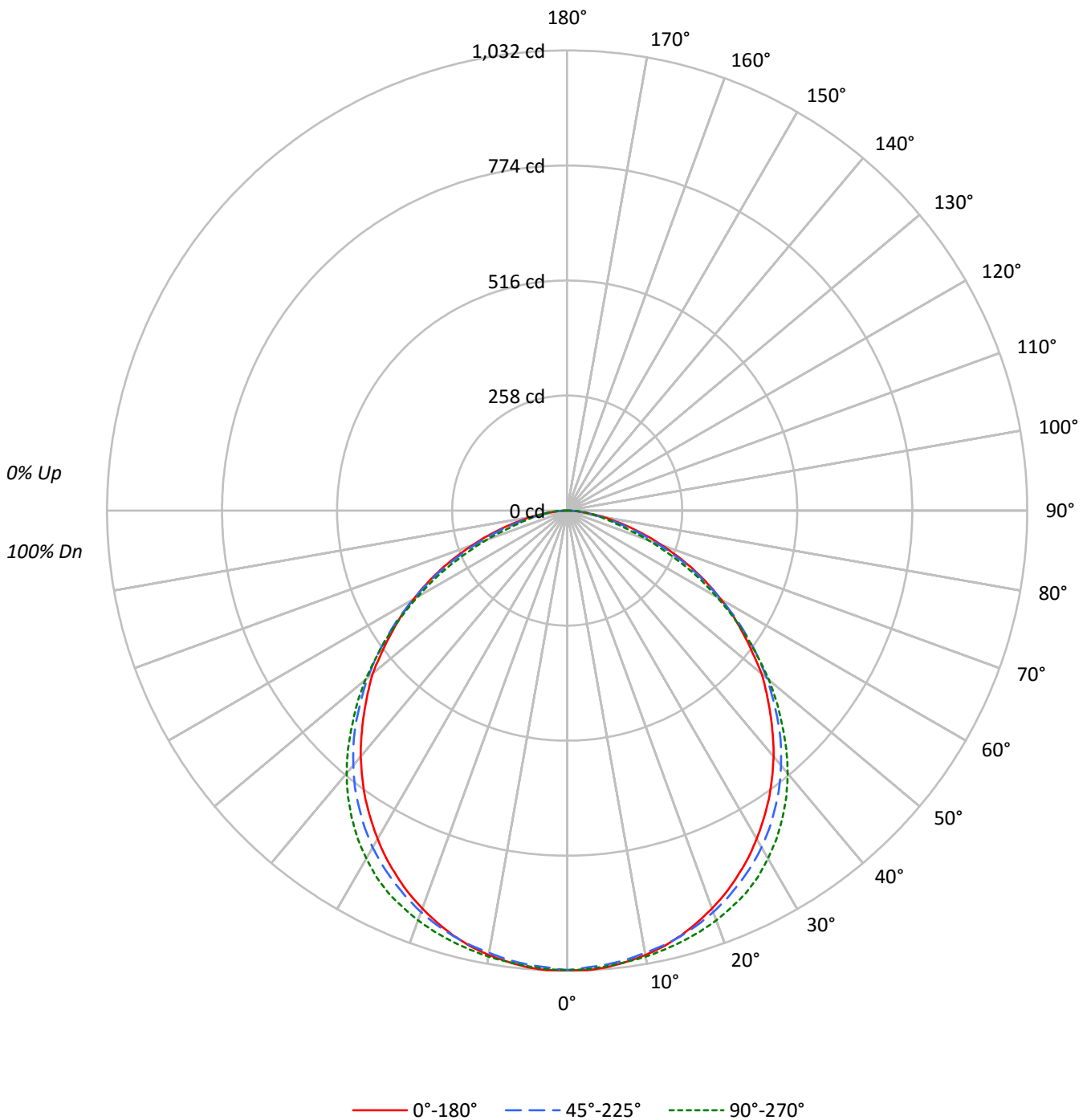
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2773	2773	2773
5°	2777	2760	2770
10°	2766	2752	2776
15°	2748	2751	2786
20°	2719	2744	2800
25°	2685	2729	2812
30°	2642	2711	2798
35°	2592	2673	2765
40°	2531	2621	2703
45°	2453	2546	2597
50°	2385	2447	2472
55°	2265	2311	2299
60°	2143	2143	2084
65°	1990	1943	1834
70°	1764	1687	1523
75°	1528	1389	1172
80°	1254	1082	1063
85°	834	985	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	3.6
10°-20°	279.7	10.2
20°-30°	425.1	15.5
30°-40°	508.9	18.6
40°-50°	513.3	18.7
50°-60°	437.2	16.0
60°-70°	299.0	10.9
70°-80°	143.2	5.2
80°-90°	36.3	1.3
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°	802.2	29.3
0°-40°	1311.1	47.8
0°-60°	2261.7	82.5
0°-90°	2740.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1028	1027	1022	1027	1026	98
15°	986	984	988	999	1000	278
25°	904	906	919	940	947	417
35°	789	792	814	837	842	493
45°	644	649	669	682	682	498
55°	483	485	493	494	490	432
65°	312	306	305	294	288	308
75°	147	145	134	116	113	157
85°	27	29	32	33	34	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.5	1030.5	1030.5	1030.5	1030.5
2.5°	1031.7	1030.5	1025.6	1030.5	1029.3
5°	1028.1	1026.8	1021.9	1026.8	1025.6
7.5°	1020.7	1019.5	1015.8	1020.7	1020.7
10°	1012.1	1009.7	1007.2	1014.6	1015.8
12.5°	1001.1	998.7	998.7	1007.2	1008.5
15°	986.4	983.9	987.6	998.7	999.9
17.5°	969.2	968.0	974.1	987.6	990.1
20°	949.6	948.4	958.2	974.1	977.8
22.5°	928.8	928.8	939.8	958.2	963.1
25°	904.3	905.5	919.0	939.8	947.2
27.5°	878.6	881.0	896.9	920.2	926.4
30°	850.4	854.1	872.4	894.5	900.6
32.5°	819.8	823.4	844.3	867.5	873.7
35°	789.1	791.6	813.6	836.9	841.8
37.5°	754.8	758.5	781.8	802.6	807.5
40°	720.5	724.2	746.2	765.8	769.5
42.5°	682.5	687.4	709.5	725.4	727.9
45°	644.5	649.4	669.0	682.5	682.5
47.5°	606.5	609.0	626.1	639.6	638.4
50°	569.8	568.6	584.5	590.6	590.6
52.5°	524.4	528.1	539.2	542.8	539.2
55°	482.8	485.2	492.6	493.8	490.1
57.5°	442.3	441.1	447.2	443.6	438.7
60°	398.2	398.2	398.2	394.6	387.2
62.5°	355.3	352.9	351.7	343.1	339.4
65°	312.5	306.3	305.1	294.1	288.0
67.5°	267.1	264.7	258.5	247.5	236.5
70°	224.2	221.8	214.4	201.0	193.6
72.5°	185.0	182.6	172.8	156.8	147.0
75°	147.0	144.6	133.6	116.4	112.7
77.5°	111.5	110.3	99.3	90.7	89.4
80°	80.9	79.6	69.8	69.8	68.6
82.5°	51.5	51.5	49.0	50.2	51.5
85°	27.0	29.4	31.9	33.1	34.3
87.5°	8.6	13.5	15.9	17.2	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)