

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: P258479

Luminaire Tested: **D3X-WO-31L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-31L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2566.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

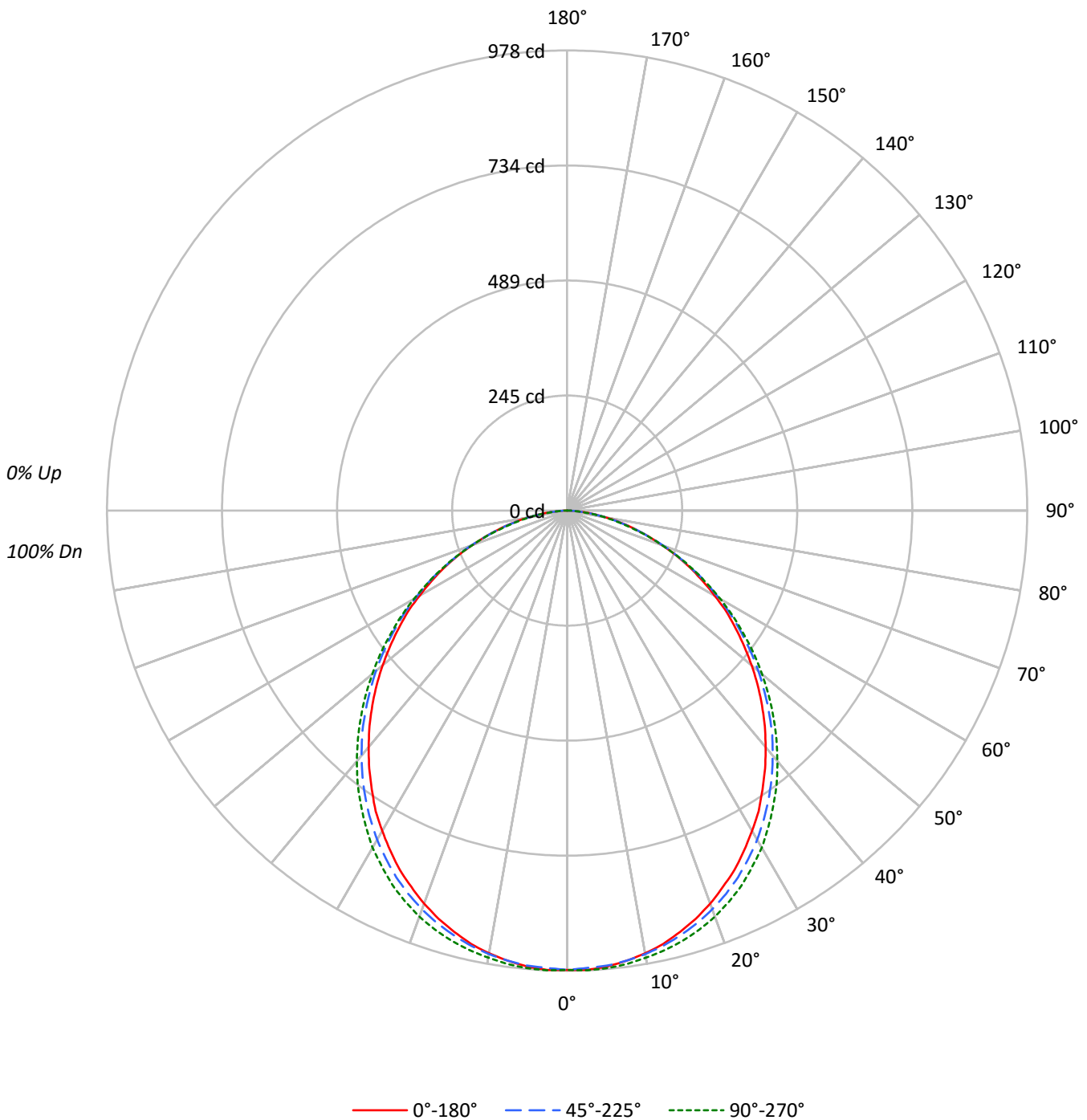
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1313	1313	1313
5°	1314	1311	1318
10°	1305	1308	1318
15°	1291	1301	1319
20°	1273	1291	1315
25°	1250	1276	1304
30°	1221	1255	1286
35°	1189	1227	1256
40°	1153	1194	1221
45°	1114	1155	1180
50°	1072	1111	1131
55°	1026	1059	1075
60°	975	1001	1012
65°	919	933	939
70°	843	854	843
75°	760	755	732
80°	643	636	617
85°	480	468	414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.6
10°-20°	264.0	10.3
20°-30°	395.9	15.4
30°-40°	466.2	18.2
40°-50°	466.3	18.2
50°-60°	402.3	15.7
60°-70°	289.5	11.3
70°-80°	153.6	6.0
80°-90°	36.6	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°	752.3	29.3
0°-40°	1218.6	47.5
0°-60°	2087.2	81.3
0°-90°	2566.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2566.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	973	972	971	974	976	92
15°	927	930	934	943	947	261
25°	842	847	860	874	878	387
35°	724	732	747	760	764	453
45°	585	593	607	617	620	452
55°	438	442	451	459	458	392
65°	289	290	293	295	295	286
75°	146	144	145	142	141	155
85°	31	31	30	28	27	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	976.2	976.2	976.2	976.2	976.2
2.5°	977.1	975.4	972.8	976.2	978.0
5°	972.8	971.9	971.0	974.5	976.2
7.5°	965.0	965.8	965.0	970.2	971.9
10°	955.5	956.3	957.2	963.3	965.0
12.5°	943.4	944.2	946.8	954.6	957.2
15°	926.9	929.5	933.9	943.4	946.8
17.5°	909.6	913.1	919.2	930.4	933.9
20°	888.9	893.2	901.9	914.0	918.3
22.5°	865.5	869.9	882.0	894.9	899.3
25°	842.2	847.4	859.5	874.2	878.5
27.5°	814.5	821.4	834.4	849.1	852.6
30°	786.0	792.0	807.6	821.4	827.5
32.5°	757.5	763.5	778.2	792.0	796.4
35°	723.7	732.4	747.1	760.1	764.4
37.5°	690.9	698.7	714.2	727.2	731.5
40°	656.3	663.2	679.6	691.7	695.2
42.5°	621.7	628.6	645.1	654.6	658.0
45°	585.4	593.2	607.0	617.4	620.0
47.5°	549.1	555.1	568.1	577.6	581.1
50°	511.9	517.9	530.9	538.7	540.4
52.5°	474.7	479.0	491.1	498.1	500.6
55°	437.5	441.9	451.4	459.1	458.3
57.5°	402.1	403.8	413.3	418.5	418.5
60°	362.3	364.0	371.8	375.3	376.1
62.5°	325.1	327.7	333.8	334.6	334.6
65°	288.8	289.7	293.1	294.9	294.9
67.5°	252.5	251.6	255.1	255.1	254.2
70°	214.4	216.2	217.0	215.3	214.4
72.5°	179.9	179.0	179.0	178.1	178.1
75°	146.1	144.4	145.3	141.8	140.9
77.5°	115.0	112.4	111.5	109.8	108.1
80°	83.0	83.0	82.1	80.4	79.6
82.5°	55.3	55.3	54.5	52.7	51.0
85°	31.1	31.1	30.3	27.7	26.8
87.5°	10.4	10.4	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)