

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: P257537

Luminaire Tested: **D3X-WO-35L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257537
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-35L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2966.0 lumens
Efficiency: N/A
Efficacy: 96.9 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

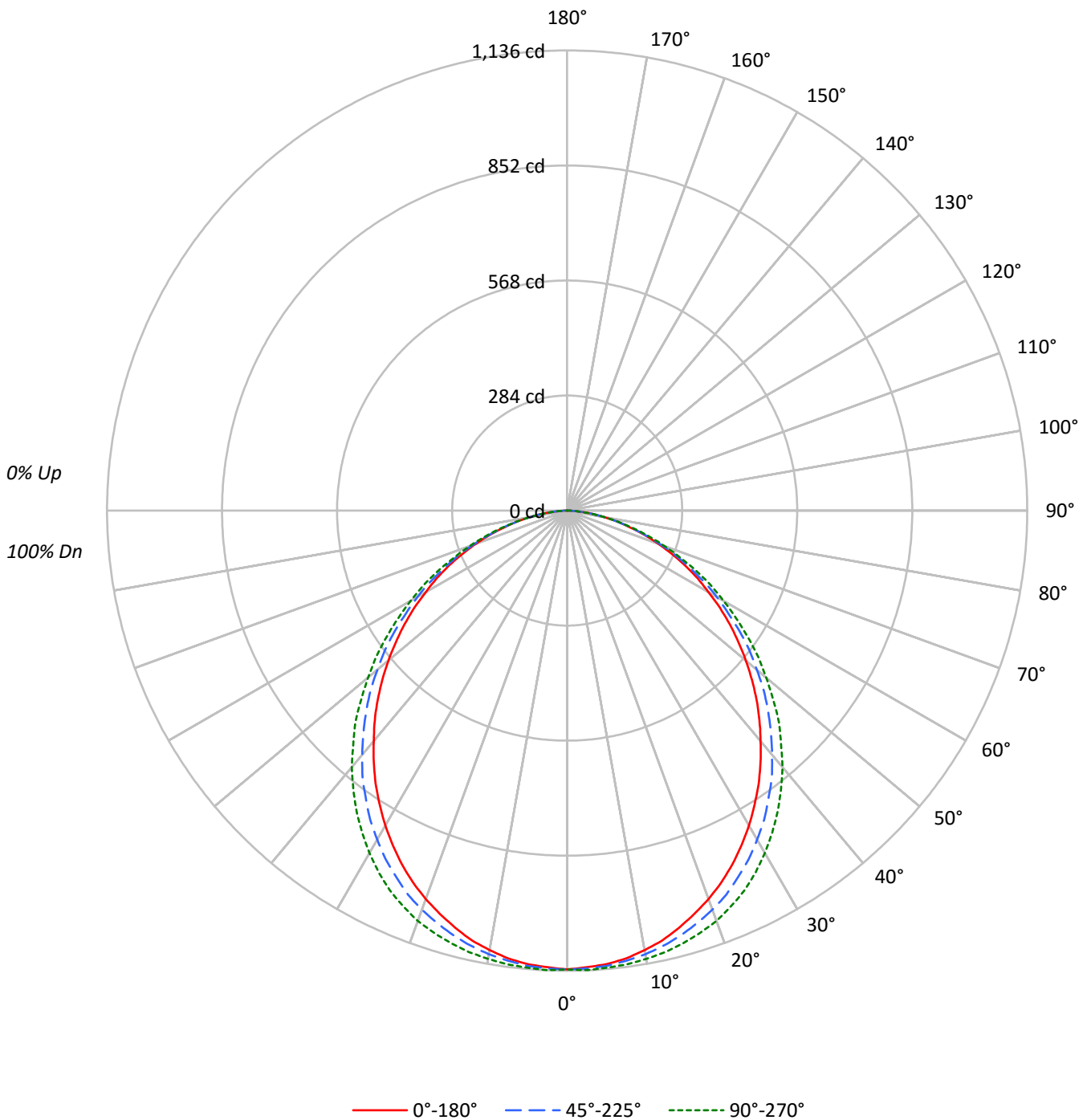
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3048	3048	3048
5°	3036	3048	3060
10°	3010	3039	3071
15°	2970	3024	3081
20°	2922	3003	3087
25°	2863	2964	3074
30°	2790	2914	3033
35°	2707	2848	2979
40°	2609	2765	2905
45°	2518	2670	2816
50°	2411	2560	2683
55°	2300	2439	2556
60°	2170	2297	2400
65°	2050	2125	2229
70°	1882	1940	2010
75°	1674	1720	1765
80°	1441	1420	1420
85°	1093	1003	911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.6
10°-20°	306.3	10.3
20°-30°	459.8	15.5
30°-40°	541.2	18.2
40°-50°	539.8	18.2
50°-60°	463.2	15.6
60°-70°	331.7	11.2
70°-80°	175.7	5.9
80°-90°	41.1	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°	873.3	29.4
0°-40°	1414.5	47.7
0°-60°	2417.5	81.5
0°-90°	2966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1124	1124	1128	1131	1133	107
15°	1066	1071	1085	1100	1106	301
25°	964	973	998	1023	1035	444
35°	824	834	867	896	907	515
45°	662	672	702	727	740	510
55°	490	498	520	538	545	438
65°	322	323	334	347	350	318
75°	161	161	165	168	170	173
85°	35	34	32	30	30	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.7	1132.7	1132.7	1132.7	1132.7
2.5°	1128.3	1128.3	1131.2	1134.2	1135.6
5°	1123.8	1123.8	1128.3	1131.2	1132.7
7.5°	1115.0	1115.0	1120.9	1126.8	1129.7
10°	1101.7	1104.6	1112.0	1120.9	1123.8
12.5°	1086.9	1089.9	1100.2	1112.0	1116.5
15°	1066.2	1070.7	1085.4	1100.2	1106.1
17.5°	1044.1	1050.0	1067.7	1085.4	1092.8
20°	1020.5	1026.4	1048.5	1069.2	1078.1
22.5°	993.9	1001.3	1026.4	1048.5	1057.4
25°	964.3	973.2	998.3	1023.4	1035.2
27.5°	931.9	942.2	970.2	996.8	1007.2
30°	897.9	909.7	937.8	965.8	976.2
32.5°	861.0	871.3	905.3	931.9	942.2
35°	824.0	834.4	866.9	896.4	906.7
37.5°	784.2	797.5	830.0	856.5	866.9
40°	742.8	756.1	787.1	818.1	827.0
42.5°	703.0	714.8	744.3	772.4	781.2
45°	661.6	671.9	701.5	726.6	739.9
47.5°	618.8	629.1	658.6	682.3	689.7
50°	575.9	586.3	611.4	632.1	640.9
52.5°	533.1	543.5	567.1	586.3	595.1
55°	490.3	497.7	519.8	537.6	544.9
57.5°	447.5	453.4	471.1	490.3	494.7
60°	403.2	410.5	426.8	440.1	446.0
62.5°	363.3	366.2	381.0	392.8	400.2
65°	321.9	323.4	333.8	347.0	350.0
67.5°	279.1	280.6	290.9	298.3	301.3
70°	239.2	239.2	246.6	252.5	255.5
72.5°	200.8	199.4	203.8	209.7	212.7
75°	161.0	161.0	165.4	168.4	169.8
77.5°	127.0	124.1	127.0	130.0	130.0
80°	93.0	91.6	91.6	93.0	91.6
82.5°	63.5	62.0	63.5	60.5	59.1
85°	35.4	34.0	32.5	29.5	29.5
87.5°	11.8	10.3	10.3	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)