

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: P257539

Luminaire Tested: **D3X-WO-35L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257539
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-35L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3157.4 lumens
Efficiency: N/A
Efficacy: 103.2 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

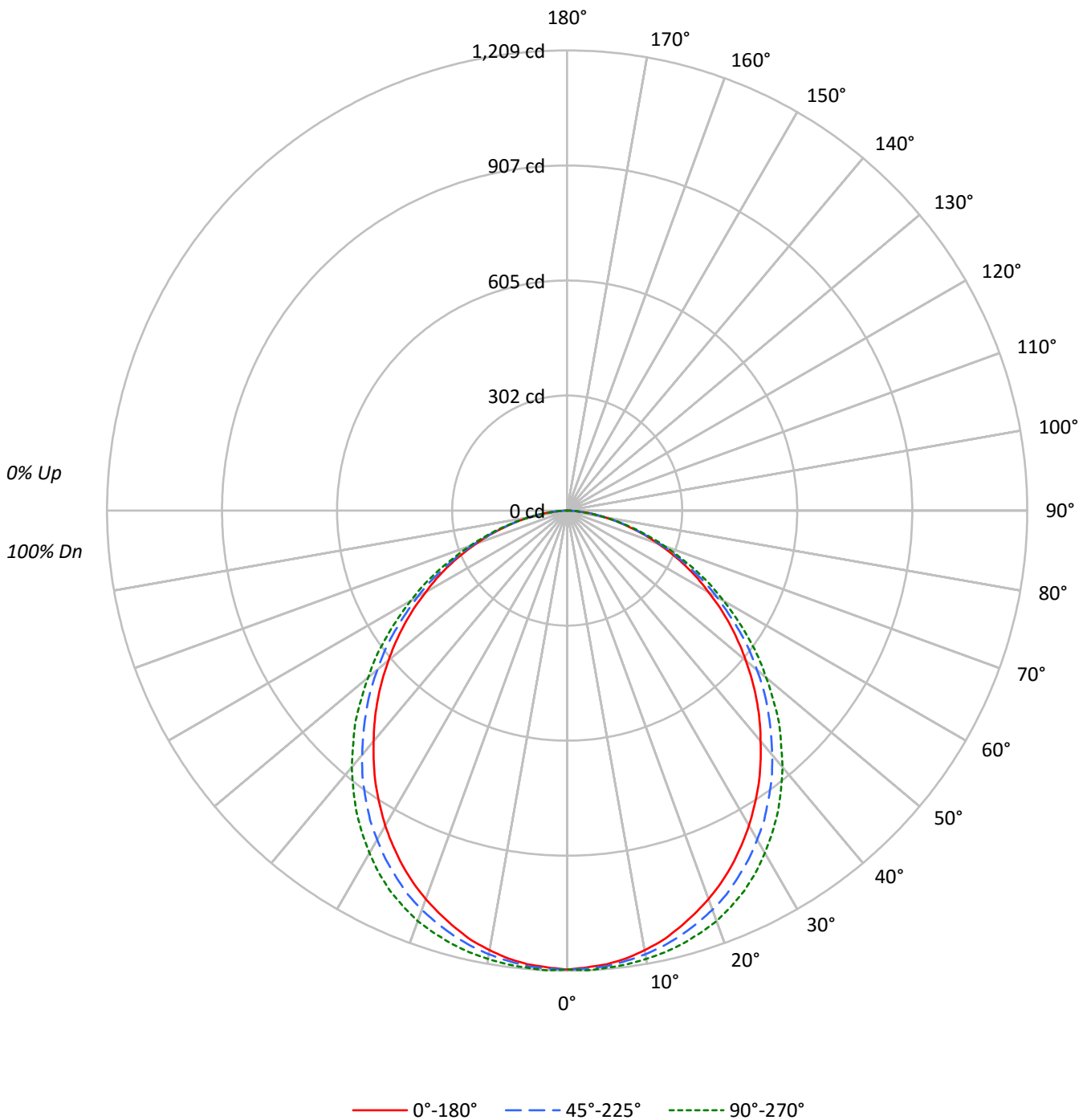
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3245	3245	3245
5°	3232	3244	3257
10°	3205	3235	3269
15°	3162	3219	3280
20°	3111	3196	3286
25°	3048	3155	3272
30°	2970	3102	3229
35°	2882	3031	3171
40°	2778	2943	3093
45°	2680	2842	2997
50°	2567	2725	2856
55°	2449	2596	2722
60°	2310	2445	2555
65°	2182	2262	2372
70°	2004	2065	2140
75°	1782	1831	1880
80°	1534	1511	1511
85°	1164	1068	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	3.6
10°-20°	326.0	10.3
20°-30°	489.5	15.5
30°-40°	576.1	18.2
40°-50°	574.6	18.2
50°-60°	493.1	15.6
60°-70°	353.2	11.2
70°-80°	187.0	5.9
80°-90°	43.7	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°	929.6	29.4
0°-40°	1505.7	47.7
0°-60°	2573.5	81.5
0°-90°	3157.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3157.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1196	1196	1201	1204	1206	113
15°	1135	1140	1156	1171	1178	320
25°	1027	1036	1063	1090	1102	472
35°	877	888	923	954	965	548
45°	704	715	747	774	788	543
55°	522	530	553	572	580	466
65°	343	344	355	369	373	338
75°	171	171	176	179	181	184
85°	38	36	35	31	31	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.8	1205.8	1205.8	1205.8	1205.8
2.5°	1201.1	1201.1	1204.2	1207.4	1209.0
5°	1196.4	1196.4	1201.1	1204.2	1205.8
7.5°	1186.9	1186.9	1193.2	1199.5	1202.7
10°	1172.8	1175.9	1183.8	1193.2	1196.4
12.5°	1157.1	1160.2	1171.2	1183.8	1188.5
15°	1135.1	1139.8	1155.5	1171.2	1177.5
17.5°	1111.5	1117.8	1136.6	1155.5	1163.4
20°	1086.3	1092.6	1116.2	1138.2	1147.6
22.5°	1058.0	1065.9	1092.6	1116.2	1125.6
25°	1026.6	1036.0	1062.7	1089.5	1102.0
27.5°	992.0	1003.0	1032.9	1061.2	1072.2
30°	955.8	968.4	998.3	1028.2	1039.2
32.5°	916.5	927.5	963.7	992.0	1003.0
35°	877.2	888.2	922.8	954.3	965.3
37.5°	834.8	848.9	883.5	911.8	922.8
40°	790.8	804.9	837.9	870.9	880.4
42.5°	748.3	760.9	792.3	822.2	831.6
45°	704.3	715.3	746.8	773.5	787.6
47.5°	658.7	669.7	701.2	726.3	734.2
50°	613.1	624.1	650.9	672.9	682.3
52.5°	567.5	578.5	603.7	624.1	633.6
55°	521.9	529.8	553.4	572.2	580.1
57.5°	476.3	482.6	501.5	521.9	526.7
60°	429.2	437.0	454.3	468.5	474.8
62.5°	386.7	389.9	405.6	418.2	426.0
65°	342.7	344.3	355.3	369.4	372.6
67.5°	297.1	298.7	309.7	317.6	320.7
70°	254.7	254.7	262.5	268.8	272.0
72.5°	213.8	212.2	217.0	223.2	226.4
75°	171.4	171.4	176.1	179.2	180.8
77.5°	135.2	132.1	135.2	138.3	138.3
80°	99.0	97.5	97.5	99.0	97.5
82.5°	67.6	66.0	67.6	64.5	62.9
85°	37.7	36.2	34.6	31.4	31.4
87.5°	12.6	11.0	11.0	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)