

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: P257569

Luminaire Tested: **D3X-WO-35L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L830-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3564.4 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

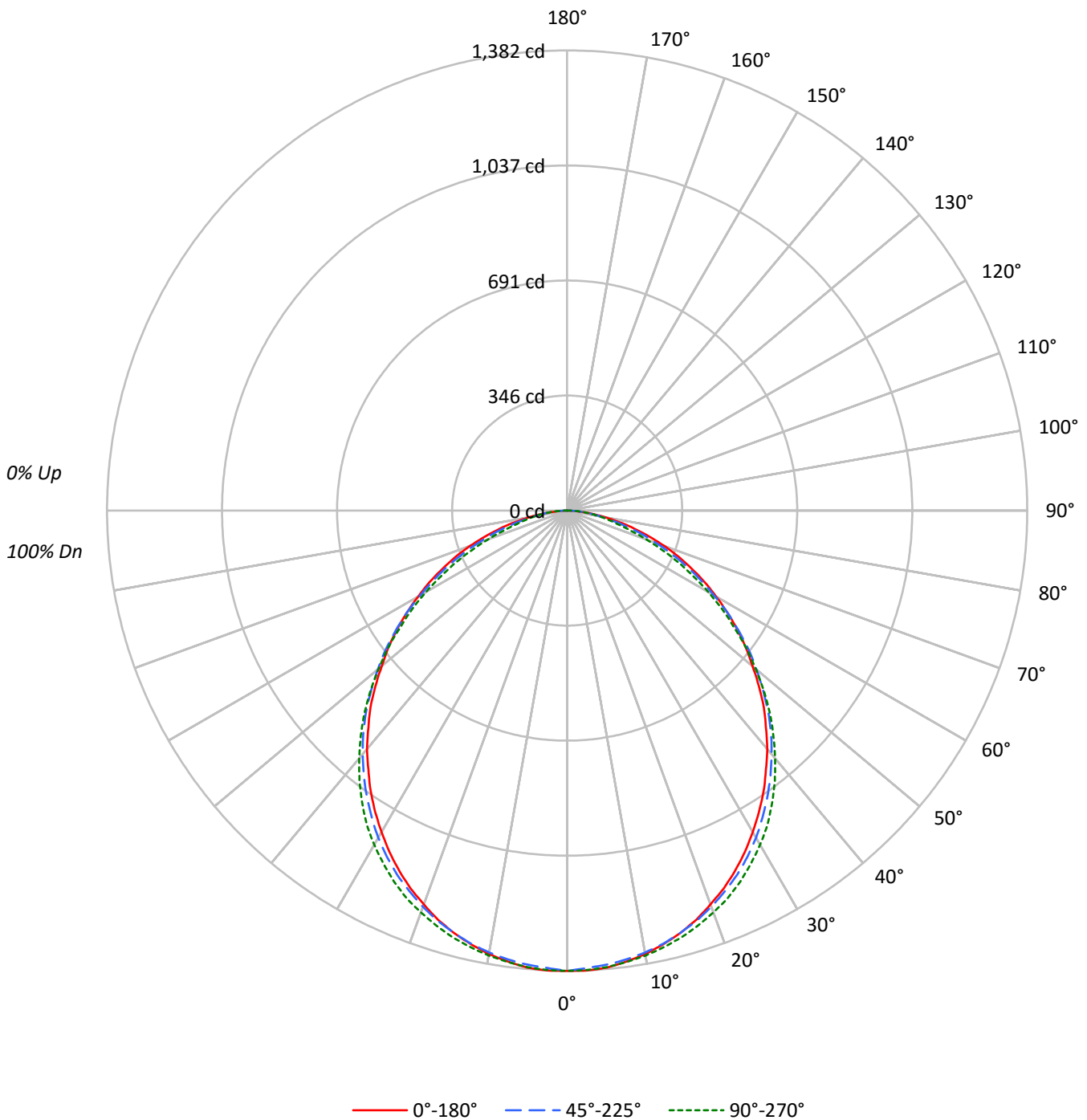
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	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	46	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	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3720	3720	3720
5°	3722	3698	3718
10°	3695	3683	3707
15°	3658	3658	3696
20°	3604	3626	3678
25°	3544	3584	3652
30°	3465	3526	3601
35°	3380	3445	3524
40°	3286	3354	3413
45°	3180	3249	3277
50°	3043	3106	3093
55°	2928	2949	2871
60°	2781	2740	2634
65°	2627	2521	2348
70°	2437	2235	1985
75°	2168	1916	1633
80°	1802	1568	1522
85°	1306	1399	1399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	3.7
10°-20°	371.7	10.4
20°-30°	557.0	15.6
30°-40°	656.3	18.4
40°-50°	654.5	18.4
50°-60°	556.7	15.6
60°-70°	388.6	10.9
70°-80°	197.5	5.5
80°-90°	51.6	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°	1059.1	29.7
0°-40°	1715.4	48.1
0°-60°	2926.7	82.1
0°-90°	3564.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3564.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1382	1382	1382	1382	1382	
5°	1378	1375	1369	1376	1376	131
15°	1313	1313	1313	1325	1327	370
25°	1194	1195	1207	1225	1230	549
35°	1029	1030	1049	1070	1073	643
45°	836	839	854	860	861	643
55°	624	624	628	620	612	558
65°	412	406	396	375	369	409
75°	208	201	184	162	157	221
85°	42	44	45	45	45	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1382.5	1382.5	1382.5	1382.5	1382.5
2.5°	1382.5	1381.0	1374.9	1381.0	1381.0
5°	1378.0	1374.9	1368.9	1376.4	1376.4
7.5°	1365.9	1364.4	1359.8	1367.4	1367.4
10°	1352.3	1350.8	1347.7	1356.8	1356.8
12.5°	1334.1	1334.1	1332.6	1341.7	1343.2
15°	1313.0	1313.0	1313.0	1325.1	1326.6
17.5°	1288.8	1287.3	1291.8	1305.4	1306.9
20°	1258.6	1260.1	1266.2	1281.3	1284.3
22.5°	1228.4	1229.9	1237.4	1255.6	1260.1
25°	1193.6	1195.1	1207.2	1225.4	1229.9
27.5°	1155.9	1158.9	1172.5	1192.1	1195.1
30°	1115.1	1118.1	1134.7	1154.3	1158.9
32.5°	1072.8	1077.3	1092.4	1113.5	1119.6
35°	1028.9	1030.4	1048.6	1069.7	1072.8
37.5°	980.6	985.1	1003.3	1021.4	1024.4
40°	935.3	938.3	954.9	970.0	971.5
42.5°	883.9	888.4	906.6	917.1	917.1
45°	835.5	838.6	853.7	859.7	861.2
47.5°	781.1	784.2	797.8	800.8	800.8
50°	726.8	734.3	741.9	741.9	738.8
52.5°	676.9	678.4	687.5	681.4	678.4
55°	624.0	624.0	628.5	619.5	611.9
57.5°	571.1	571.1	571.1	559.0	553.0
60°	516.7	515.2	509.2	494.1	489.5
62.5°	465.4	460.8	451.8	436.7	427.6
65°	412.5	406.4	395.9	374.7	368.7
67.5°	362.6	352.0	340.0	320.3	309.7
70°	309.7	300.7	284.1	261.4	252.3
72.5°	258.4	249.3	235.7	213.0	199.4
75°	208.5	201.0	184.3	161.7	157.1
77.5°	160.2	155.6	139.0	128.4	126.9
80°	116.3	114.8	101.2	98.2	98.2
82.5°	77.1	75.5	71.0	71.0	69.5
85°	42.3	43.8	45.3	45.3	45.3
87.5°	15.1	18.1	21.2	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)