

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: P257572

Luminaire Tested: **D3X-WO-35L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257572
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-35L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3082.4 lumens
Efficiency: N/A
Efficacy: 86.6 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

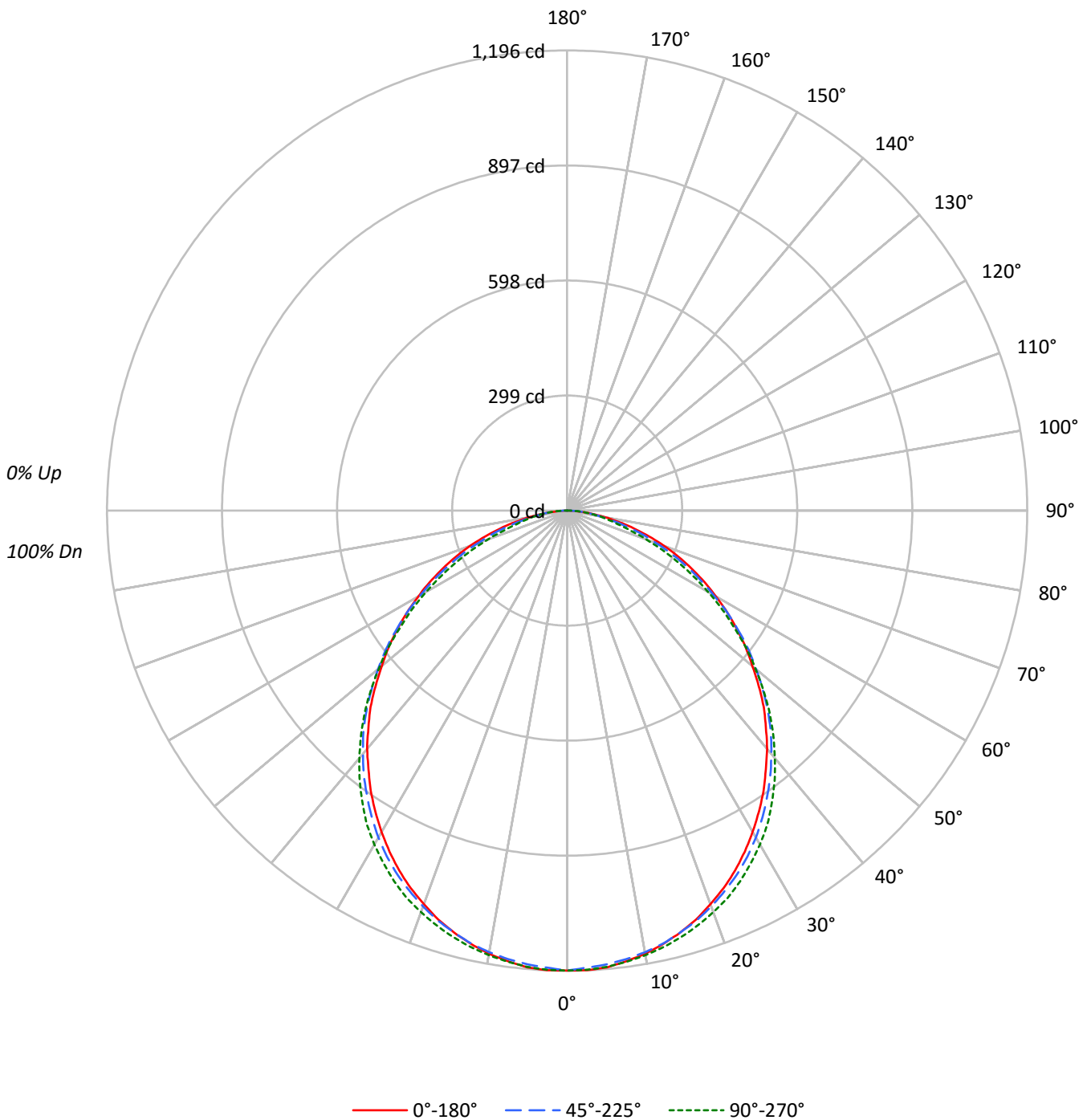
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257572

CATALOG NUMBER: D3X-WO-35L930-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257572

CATALOG NUMBER: D3X-WO-35L930-LD5-UNV-14-T1-STD

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3217	3217	3217
5°	3219	3198	3215
10°	3195	3185	3206
15°	3163	3163	3196
20°	3117	3135	3180
25°	3065	3100	3158
30°	2996	3049	3114
35°	2923	2979	3048
40°	2841	2901	2951
45°	2750	2809	2834
50°	2631	2686	2675
55°	2532	2550	2483
60°	2405	2370	2278
65°	2271	2180	2030
70°	2108	1932	1717
75°	1875	1657	1413
80°	1559	1356	1316
85°	1130	1210	1210



TEST NUMBER: P257572

CATALOG NUMBER: D3X-WO-35L930-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	3.7
10°-20°	321.4	10.4
20°-30°	481.7	15.6
30°-40°	567.5	18.4
40°-50°	566.0	18.4
50°-60°	481.5	15.6
60°-70°	336.0	10.9
70°-80°	170.8	5.5
80°-90°	44.6	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°	915.9	29.7
0°-40°	1483.4	48.1
0°-60°	2531.0	82.1
0°-90°	3082.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3082.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1192	1189	1184	1190	1190	113
15°	1136	1136	1136	1146	1147	320
25°	1032	1034	1044	1060	1064	475
35°	890	891	907	925	928	556
45°	723	725	738	744	745	556
55°	540	540	544	536	529	482
65°	357	352	342	324	319	354
75°	180	174	159	140	136	191
85°	37	38	39	39	39	45
90°	0	0	0	0	0	



TEST NUMBER: P257572

CATALOG NUMBER: D3X-WO-35L930-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1195.6	1194.3	1189.0	1194.3	1194.3
5°	1191.6	1189.0	1183.8	1190.3	1190.3
7.5°	1181.2	1179.9	1176.0	1182.5	1182.5
10°	1169.4	1168.1	1165.5	1173.3	1173.3
12.5°	1153.7	1153.7	1152.4	1160.3	1161.6
15°	1135.5	1135.5	1135.5	1145.9	1147.2
17.5°	1114.5	1113.2	1117.2	1128.9	1130.2
20°	1088.4	1089.7	1094.9	1108.0	1110.6
22.5°	1062.3	1063.6	1070.1	1085.8	1089.7
25°	1032.2	1033.5	1044.0	1059.7	1063.6
27.5°	999.6	1002.2	1013.9	1030.9	1033.5
30°	964.3	966.9	981.3	998.3	1002.2
32.5°	927.7	931.6	944.7	963.0	968.2
35°	889.8	891.1	906.8	925.1	927.7
37.5°	848.0	851.9	867.6	883.3	885.9
40°	808.8	811.4	825.8	838.8	840.2
42.5°	764.4	768.3	784.0	793.1	793.1
45°	722.6	725.2	738.2	743.5	744.8
47.5°	675.5	678.1	689.9	692.5	692.5
50°	628.5	635.0	641.6	641.6	638.9
52.5°	585.4	586.7	594.5	589.3	586.7
55°	539.6	539.6	543.6	535.7	529.2
57.5°	493.9	493.9	493.9	483.4	478.2
60°	446.9	445.6	440.3	427.3	423.3
62.5°	402.4	398.5	390.7	377.6	369.8
65°	356.7	351.5	342.3	324.0	318.8
67.5°	313.6	304.4	294.0	277.0	267.9
70°	267.9	260.0	245.6	226.0	218.2
72.5°	223.4	215.6	203.8	184.2	172.5
75°	180.3	173.8	159.4	139.8	135.9
77.5°	138.5	134.6	120.2	111.1	109.8
80°	100.6	99.3	87.5	84.9	84.9
82.5°	66.6	65.3	61.4	61.4	60.1
85°	36.6	37.9	39.2	39.2	39.2
87.5°	13.1	15.7	18.3	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)