

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: P257411

Luminaire Tested: **D3X-WG-35L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3271.9 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

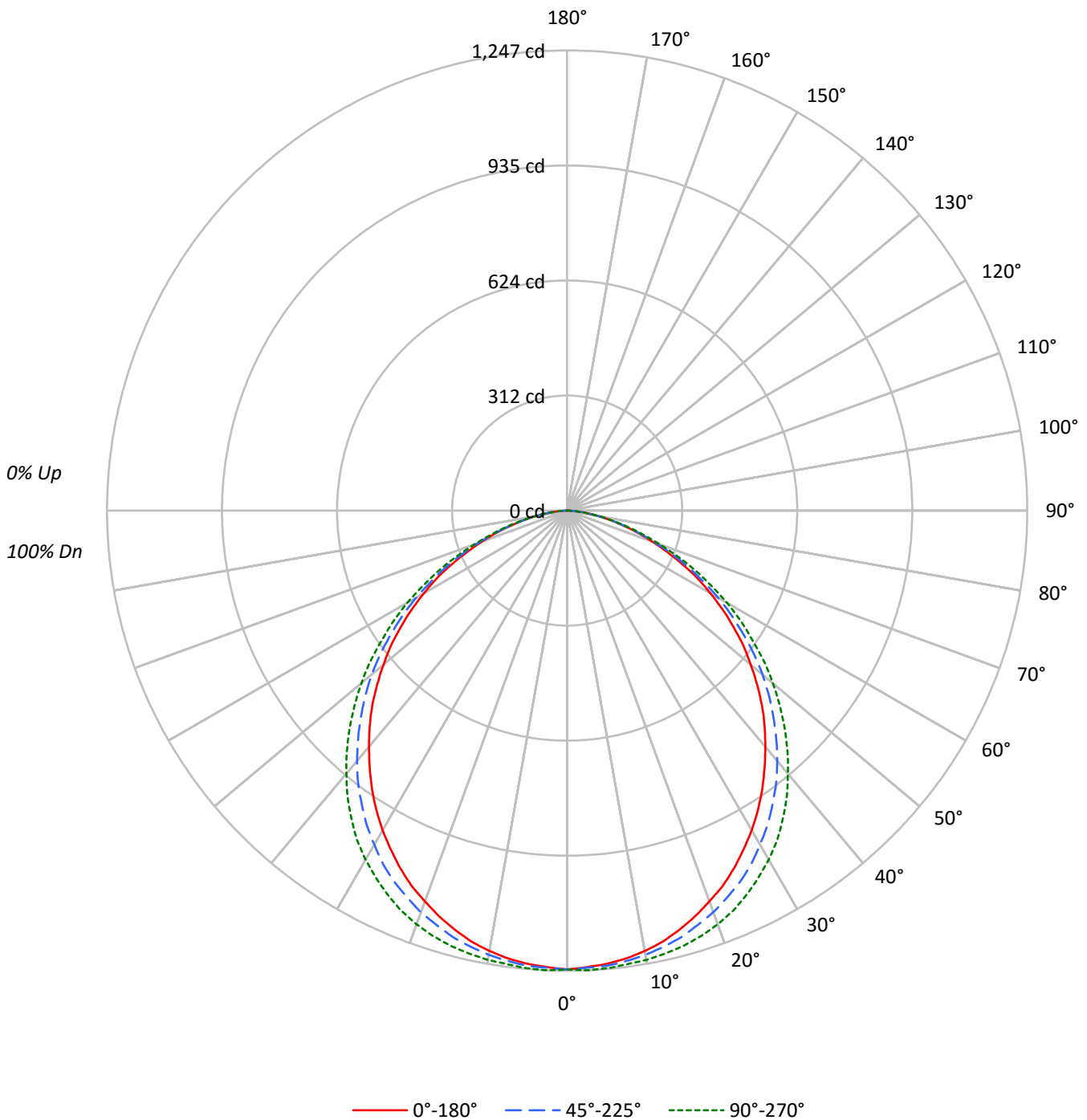
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257411

CATALOG NUMBER: D3X-WG-35L830-LD5-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257411

CATALOG NUMBER: D3X-WG-35L830-LD5-UNV-22-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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3346	3346	3346
5°	3331	3345	3363
10°	3312	3340	3378
15°	3275	3333	3401
20°	3227	3317	3416
25°	3176	3295	3413
30°	3108	3248	3394
35°	3029	3189	3349
40°	2934	3111	3270
45°	2842	3007	3172
50°	2719	2894	3046
55°	2583	2729	2876
60°	2411	2542	2692
65°	2201	2300	2432
70°	1927	2009	2090
75°	1643	1679	1751
80°	1319	1345	1373
85°	966	911	858



TEST NUMBER: P257411

CATALOG NUMBER: D3X-WG-35L830-LD5-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	3.6
10°-20°	337.8	10.3
20°-30°	510.6	15.6
30°-40°	606.5	18.5
40°-50°	608.9	18.6
50°-60°	520.1	15.9
60°-70°	358.4	11.0
70°-80°	173.8	5.3
80°-90°	38.0	1.2
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°	966.1	29.5
0°-40°	1572.7	48.1
0°-60°	2701.7	82.6
0°-90°	3271.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3271.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1233	1233	1238	1242	1245	117
15°	1176	1181	1196	1212	1221	331
25°	1070	1078	1110	1139	1150	492
35°	922	936	971	1007	1019	576
45°	747	757	790	823	834	575
55°	550	559	582	606	613	492
65°	346	346	361	377	382	342
75°	158	155	162	165	168	170
85°	31	31	30	28	28	38
90°	0	0	0	0	0	



TEST NUMBER: P257411

CATALOG NUMBER: D3X-WG-35L830-LD5-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.4	1243.4	1243.4	1243.4	1243.4
2.5°	1238.2	1238.2	1239.9	1245.1	1246.9
5°	1233.0	1233.0	1238.2	1241.6	1245.1
7.5°	1224.3	1226.0	1231.2	1238.2	1239.9
10°	1212.1	1213.9	1222.5	1231.2	1236.4
12.5°	1196.5	1200.0	1210.4	1224.3	1229.5
15°	1175.7	1180.9	1196.5	1212.1	1220.8
17.5°	1153.1	1160.0	1177.4	1200.0	1208.6
20°	1127.0	1135.7	1158.3	1182.6	1193.0
22.5°	1101.0	1107.9	1134.0	1161.8	1173.9
25°	1069.7	1078.4	1109.7	1139.2	1149.6
27.5°	1035.0	1047.1	1080.1	1111.4	1121.8
30°	1000.3	1010.7	1045.4	1080.1	1092.3
32.5°	962.1	972.5	1010.7	1045.4	1059.3
35°	922.1	936.0	970.7	1007.2	1019.4
37.5°	878.7	894.3	930.8	962.1	977.7
40°	835.3	849.2	885.6	918.6	930.8
42.5°	791.9	804.0	838.8	873.5	883.9
45°	746.7	757.1	790.1	823.1	833.6
47.5°	698.1	710.3	741.5	769.3	781.5
50°	649.5	661.6	691.2	717.2	727.6
52.5°	602.6	609.5	637.3	661.6	673.8
55°	550.5	559.2	581.7	606.1	613.0
57.5°	500.1	505.3	527.9	548.8	559.2
60°	448.0	451.5	472.3	488.0	500.1
62.5°	399.4	399.4	415.0	432.4	439.4
65°	345.6	345.6	361.2	376.8	382.0
67.5°	293.5	297.0	307.4	319.5	323.0
70°	244.9	244.9	255.3	264.0	265.7
72.5°	201.4	199.7	204.9	211.9	215.3
75°	158.0	154.6	161.5	165.0	168.4
77.5°	119.8	118.1	121.6	125.0	125.0
80°	85.1	83.4	86.8	86.8	88.6
82.5°	55.6	57.3	57.3	55.6	53.8
85°	31.3	31.3	29.5	27.8	27.8
87.5°	10.4	10.4	10.4	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)