

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: P257524

Luminaire Tested: **D3X-WO-25L840-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257524
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-25L840-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2554.0 lumens
Efficiency: N/A
Efficacy: 122.2 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

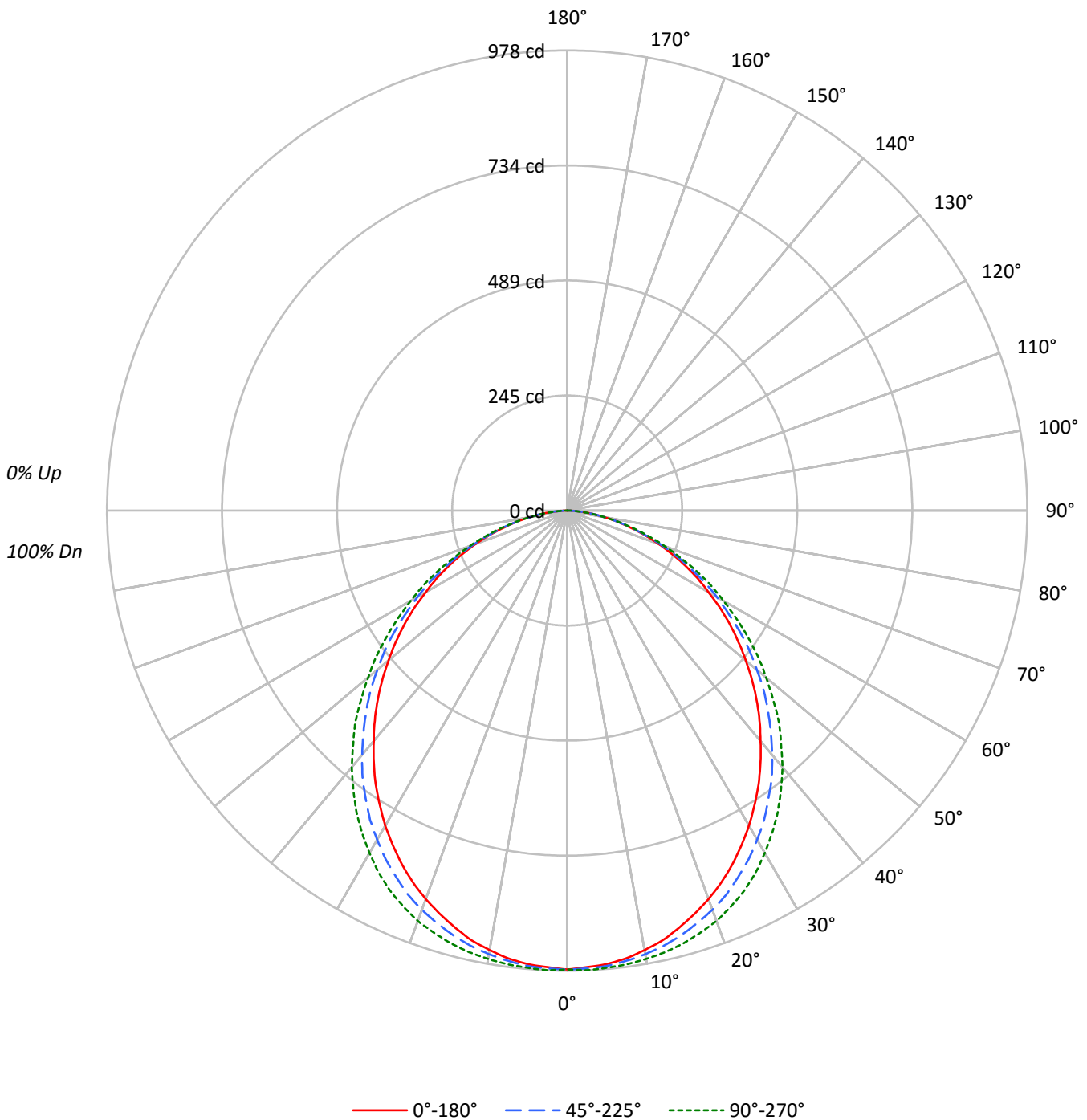
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2625	2625	2625
5°	2614	2624	2635
10°	2592	2616	2644
15°	2558	2604	2654
20°	2516	2586	2658
25°	2466	2552	2647
30°	2403	2509	2612
35°	2331	2452	2565
40°	2247	2381	2501
45°	2168	2299	2425
50°	2076	2204	2310
55°	1981	2100	2201
60°	1869	1978	2067
65°	1765	1830	1919
70°	1621	1671	1731
75°	1441	1481	1520
80°	1241	1221	1221
85°	942	865	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.6
10°-20°	263.7	10.3
20°-30°	396.0	15.5
30°-40°	466.0	18.2
40°-50°	464.8	18.2
50°-60°	398.9	15.6
60°-70°	285.7	11.2
70°-80°	151.3	5.9
80°-90°	35.4	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°	751.9	29.4
0°-40°	1218.0	47.7
0°-60°	2081.7	81.5
0°-90°	2554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	975	975	975	975	975	
5°	968	968	972	974	975	92
15°	918	922	935	947	952	259
25°	830	838	860	881	891	382
35°	710	718	746	772	781	443
45°	570	579	604	626	637	439
55°	422	428	448	463	469	377
65°	277	278	287	299	301	274
75°	139	139	142	145	146	149
85°	30	29	28	25	25	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.3	975.3	975.3	975.3	975.3
2.5°	971.5	971.5	974.1	976.6	977.9
5°	967.7	967.7	971.5	974.1	975.3
7.5°	960.1	960.1	965.2	970.3	972.8
10°	948.6	951.2	957.5	965.2	967.7
12.5°	935.9	938.5	947.4	957.5	961.4
15°	918.1	921.9	934.6	947.4	952.5
17.5°	899.0	904.1	919.4	934.6	941.0
20°	878.7	883.8	902.9	920.7	928.3
22.5°	855.8	862.2	883.8	902.9	910.5
25°	830.4	838.0	859.6	881.2	891.4
27.5°	802.4	811.3	835.5	858.4	867.3
30°	773.2	783.3	807.5	831.6	840.5
32.5°	741.4	750.3	779.5	802.4	811.3
35°	709.6	718.5	746.4	771.9	780.8
37.5°	675.2	686.7	714.7	737.5	746.4
40°	639.6	651.1	677.8	704.5	712.1
42.5°	605.3	615.5	640.9	665.1	672.7
45°	569.7	578.6	604.0	625.6	637.1
47.5°	532.8	541.7	567.1	587.5	593.9
50°	495.9	504.8	526.5	544.3	551.9
52.5°	459.1	468.0	488.3	504.8	512.5
55°	422.2	428.5	447.6	462.9	469.2
57.5°	385.3	390.4	405.7	422.2	426.0
60°	347.2	353.5	367.5	378.9	384.0
62.5°	312.8	315.4	328.1	338.3	344.6
65°	277.2	278.5	287.4	298.8	301.4
67.5°	240.3	241.6	250.5	256.9	259.4
70°	206.0	206.0	212.4	217.4	220.0
72.5°	172.9	171.7	175.5	180.6	183.1
75°	138.6	138.6	142.4	145.0	146.2
77.5°	109.4	106.8	109.4	111.9	111.9
80°	80.1	78.8	78.8	80.1	78.8
82.5°	54.7	53.4	54.7	52.1	50.9
85°	30.5	29.2	28.0	25.4	25.4
87.5°	10.2	8.9	8.9	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)