

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: P258529

Luminaire Tested: **D3X-WO-74L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-74L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6386.2 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

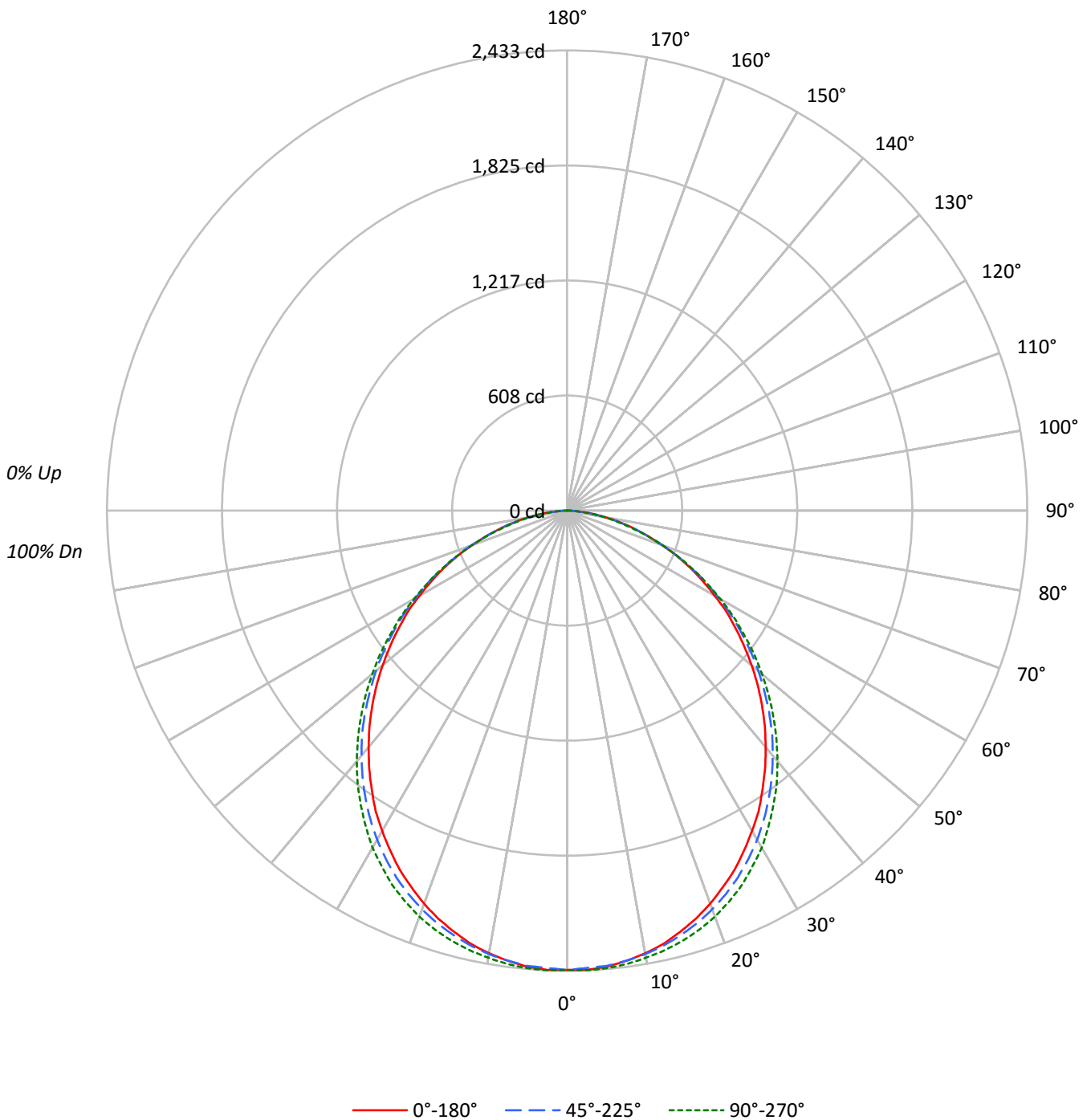
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3268	3268	3268
5°	3269	3263	3280
10°	3248	3254	3280
15°	3212	3236	3281
20°	3167	3213	3271
25°	3111	3175	3245
30°	3038	3122	3199
35°	2958	3053	3124
40°	2868	2970	3038
45°	2771	2874	2935
50°	2666	2765	2814
55°	2553	2634	2675
60°	2426	2489	2518
65°	2287	2322	2336
70°	2099	2124	2099
75°	1890	1879	1823
80°	1600	1584	1533
85°	1195	1162	1030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	3.6
10°-20°	656.9	10.3
20°-30°	984.9	15.4
30°-40°	1159.9	18.2
40°-50°	1160.1	18.2
50°-60°	1001.0	15.7
60°-70°	720.3	11.3
70°-80°	382.1	6.0
80°-90°	91.1	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°	1871.8	29.3
0°-40°	3031.7	47.5
0°-60°	5192.7	81.3
0°-90°	6386.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6386.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2429	2429	2429	2429	2429	
5°	2420	2418	2416	2424	2429	230
15°	2306	2313	2323	2347	2356	650
25°	2095	2108	2138	2175	2186	964
35°	1801	1822	1859	1891	1902	1126
45°	1456	1476	1510	1536	1542	1123
55°	1088	1099	1123	1142	1140	974
65°	718	721	729	734	734	711
75°	364	359	361	353	351	387
85°	77	77	75	69	67	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2428.8	2428.8	2428.8	2428.8	2428.8
2.5°	2430.9	2426.6	2420.2	2428.8	2433.1
5°	2420.2	2418.0	2415.9	2424.5	2428.8
7.5°	2400.8	2403.0	2400.8	2413.7	2418.0
10°	2377.1	2379.3	2381.4	2396.5	2400.8
12.5°	2347.0	2349.2	2355.6	2375.0	2381.4
15°	2306.2	2312.6	2323.4	2347.0	2355.6
17.5°	2263.1	2271.7	2286.8	2314.8	2323.4
20°	2211.5	2222.3	2243.8	2273.9	2284.6
22.5°	2153.4	2164.2	2194.3	2226.6	2237.3
25°	2095.3	2108.2	2138.4	2174.9	2185.7
27.5°	2026.5	2043.7	2076.0	2112.5	2121.1
30°	1955.5	1970.6	2009.3	2043.7	2058.8
32.5°	1884.5	1899.6	1936.1	1970.6	1981.3
35°	1800.6	1822.1	1858.7	1891.0	1901.7
37.5°	1718.9	1738.2	1776.9	1809.2	1820.0
40°	1632.8	1650.0	1690.9	1721.0	1729.6
42.5°	1546.8	1564.0	1604.8	1628.5	1637.1
45°	1456.4	1475.8	1510.2	1536.0	1542.5
47.5°	1366.1	1381.1	1413.4	1437.0	1445.6
50°	1273.5	1288.6	1320.9	1340.2	1344.5
52.5°	1181.0	1191.8	1221.9	1239.1	1245.6
55°	1088.5	1099.3	1123.0	1142.3	1140.2
57.5°	1000.3	1004.6	1028.3	1041.2	1041.2
60°	901.4	905.7	925.0	933.6	935.8
62.5°	808.9	815.3	830.4	832.5	832.5
65°	718.5	720.7	729.3	733.6	733.6
67.5°	628.2	626.0	634.6	634.6	632.5
70°	533.5	537.8	540.0	535.7	533.5
72.5°	447.5	445.3	445.3	443.2	443.2
75°	363.6	359.3	361.4	352.8	350.7
77.5°	286.1	279.7	277.5	273.2	268.9
80°	206.5	206.5	204.4	200.1	197.9
82.5°	137.7	137.7	135.5	131.2	126.9
85°	77.4	77.4	75.3	68.8	66.7
87.5°	25.8	25.8	25.8	25.8	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)