

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: P258499

Luminaire Tested: **D3X-WO-45L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258499
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-45L940-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: 3906.3 lumens
Efficiency: N/A
Efficacy: 114.9 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

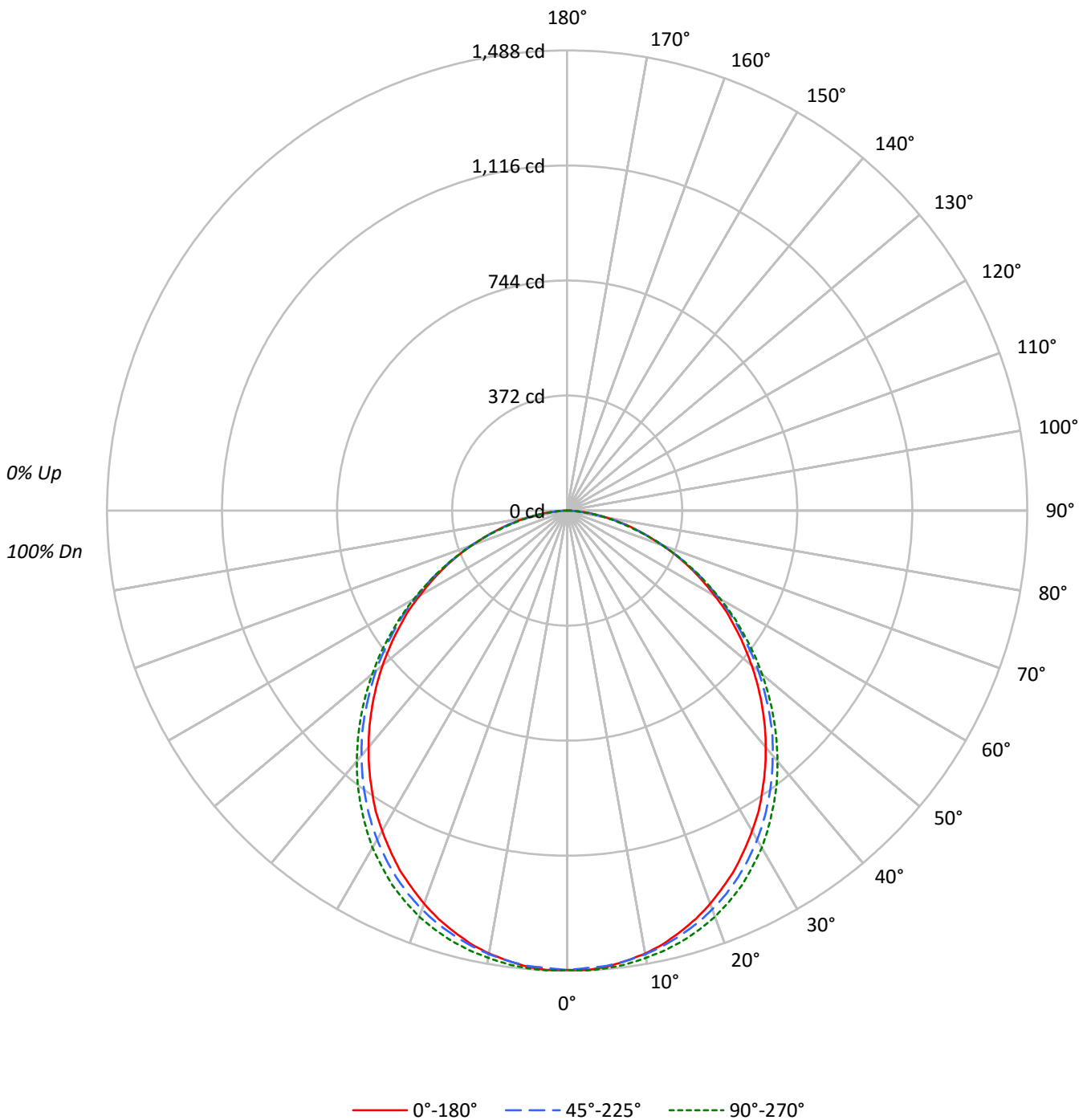
Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1999	1999	1999
5°	1999	1996	2006
10°	1987	1990	2006
15°	1965	1980	2007
20°	1937	1965	2001
25°	1903	1942	1985
30°	1858	1909	1956
35°	1809	1867	1911
40°	1754	1817	1858
45°	1695	1758	1795
50°	1631	1691	1721
55°	1562	1611	1636
60°	1484	1523	1540
65°	1399	1420	1429
70°	1284	1299	1284
75°	1156	1149	1115
80°	979	969	938
85°	732	712	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.6
10°-20°	401.8	10.3
20°-30°	602.5	15.4
30°-40°	709.5	18.2
40°-50°	709.6	18.2
50°-60°	612.3	15.7
60°-70°	440.6	11.3
70°-80°	233.7	6.0
80°-90°	55.7	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°	1144.9	29.3
0°-40°	1854.4	47.5
0°-60°	3176.3	81.3
0°-90°	3906.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3906.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1480	1479	1478	1483	1486	140
15°	1411	1415	1421	1436	1441	398
25°	1282	1290	1308	1330	1337	590
35°	1101	1115	1137	1157	1163	689
45°	891	903	924	940	944	687
55°	666	672	687	699	697	596
65°	440	441	446	449	449	435
75°	222	220	221	216	214	237
85°	47	47	46	42	41	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1485.6	1485.6	1485.6	1485.6	1485.6
2.5°	1487.0	1484.3	1480.4	1485.6	1488.3
5°	1480.4	1479.1	1477.7	1483.0	1485.6
7.5°	1468.5	1469.8	1468.5	1476.4	1479.1
10°	1454.1	1455.4	1456.7	1465.9	1468.5
12.5°	1435.6	1437.0	1440.9	1452.7	1456.7
15°	1410.6	1414.6	1421.2	1435.6	1440.9
17.5°	1384.3	1389.6	1398.8	1415.9	1421.2
20°	1352.7	1359.3	1372.5	1390.9	1397.5
22.5°	1317.2	1323.8	1342.2	1361.9	1368.5
25°	1281.7	1289.6	1308.0	1330.4	1336.9
27.5°	1239.6	1250.1	1269.8	1292.2	1297.5
30°	1196.1	1205.4	1229.0	1250.1	1259.3
32.5°	1152.7	1161.9	1184.3	1205.4	1211.9
35°	1101.4	1114.6	1136.9	1156.7	1163.2
37.5°	1051.4	1063.2	1086.9	1106.7	1113.2
40°	998.8	1009.3	1034.3	1052.7	1058.0
42.5°	946.1	956.7	981.7	996.1	1001.4
45°	890.9	902.7	923.8	939.5	943.5
47.5°	835.6	844.8	864.5	879.0	884.3
50°	779.0	788.2	808.0	819.8	822.4
52.5°	722.4	729.0	747.4	758.0	761.9
55°	665.8	672.4	686.9	698.7	697.4
57.5°	611.9	614.5	629.0	636.9	636.9
60°	551.4	554.0	565.8	571.1	572.4
62.5°	494.8	498.7	507.9	509.2	509.2
65°	439.5	440.8	446.1	448.7	448.7
67.5°	384.2	382.9	388.2	388.2	386.9
70°	326.3	329.0	330.3	327.7	326.3
72.5°	273.7	272.4	272.4	271.1	271.1
75°	222.4	219.8	221.1	215.8	214.5
77.5°	175.0	171.1	169.7	167.1	164.5
80°	126.3	126.3	125.0	122.4	121.1
82.5°	84.2	84.2	82.9	80.3	77.6
85°	47.4	47.4	46.1	42.1	40.8
87.5°	15.8	15.8	15.8	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)