

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: P258484

Luminaire Tested: **D3X-WO-36L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258484
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-36L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3551.1 lumens
Efficiency: N/A
Efficacy: 134.0 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

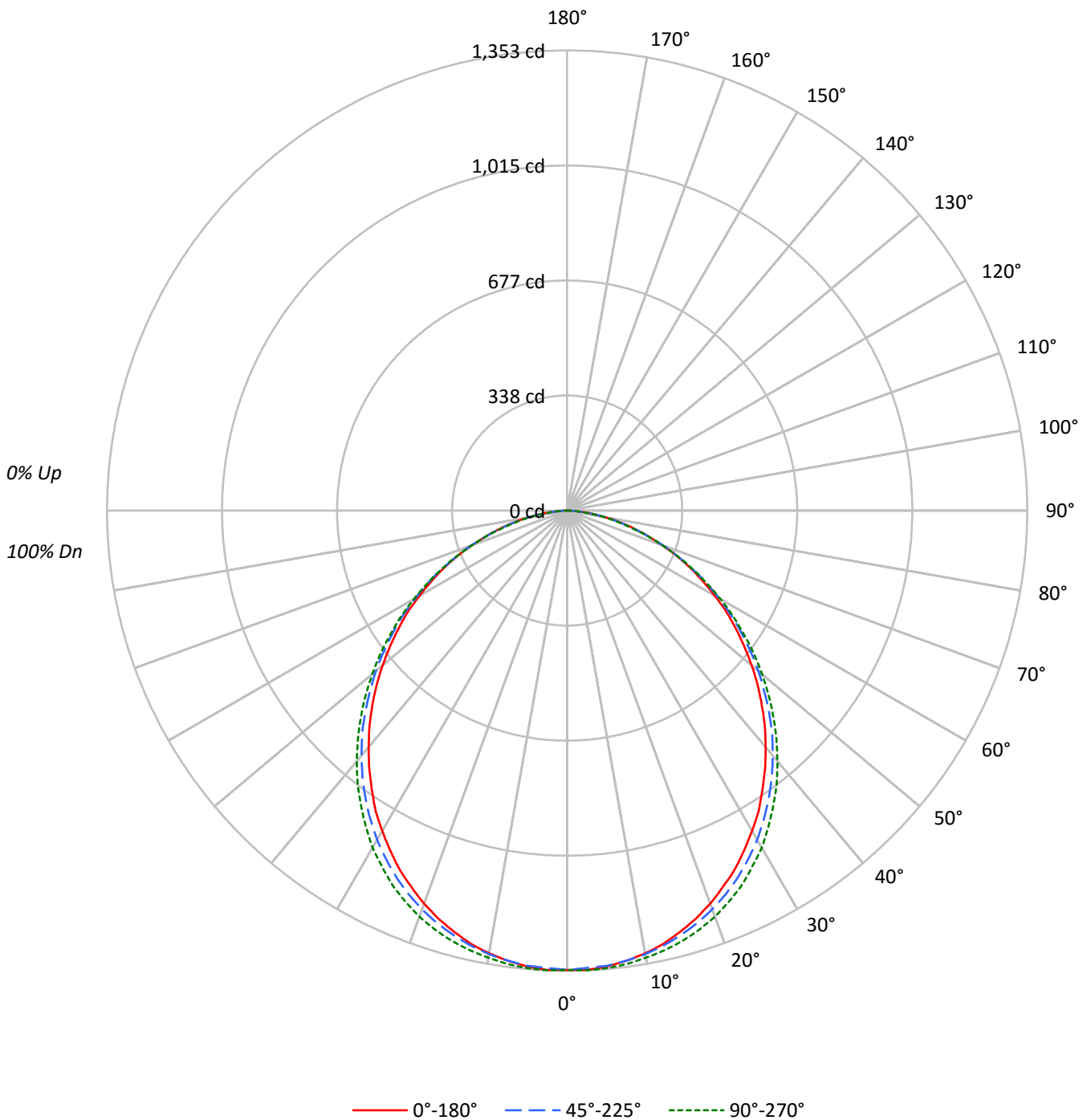
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1817	1817	1817
5°	1818	1814	1824
10°	1806	1809	1824
15°	1786	1800	1825
20°	1761	1787	1819
25°	1730	1765	1804
30°	1689	1736	1779
35°	1645	1698	1737
40°	1595	1651	1689
45°	1541	1598	1632
50°	1482	1537	1565
55°	1420	1465	1487
60°	1349	1384	1400
65°	1272	1291	1299
70°	1167	1181	1167
75°	1051	1045	1014
80°	890	880	853
85°	665	647	573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	3.6
10°-20°	365.3	10.3
20°-30°	547.7	15.4
30°-40°	645.0	18.2
40°-50°	645.1	18.2
50°-60°	556.6	15.7
60°-70°	400.5	11.3
70°-80°	212.4	6.0
80°-90°	50.7	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°	1040.8	29.3
0°-40°	1685.8	47.5
0°-60°	2887.5	81.3
0°-90°	3551.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3551.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1346	1345	1343	1348	1350	128
15°	1282	1286	1292	1305	1310	362
25°	1165	1172	1189	1209	1215	536
35°	1001	1013	1034	1052	1058	626
45°	810	821	840	854	858	625
55°	605	611	624	635	634	542
65°	400	401	406	408	408	395
75°	202	200	201	196	195	215
85°	43	43	42	38	37	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.5	1350.5	1350.5	1350.5	1350.5
2.5°	1351.7	1349.3	1345.8	1350.5	1352.9
5°	1345.8	1344.6	1343.4	1348.1	1350.5
7.5°	1335.0	1336.2	1335.0	1342.2	1344.6
10°	1321.8	1323.0	1324.2	1332.6	1335.0
12.5°	1305.1	1306.3	1309.9	1320.6	1324.2
15°	1282.4	1285.9	1291.9	1305.1	1309.9
17.5°	1258.4	1263.2	1271.6	1287.1	1291.9
20°	1229.7	1235.7	1247.7	1264.4	1270.4
22.5°	1197.4	1203.4	1220.2	1238.1	1244.1
25°	1165.1	1172.3	1189.0	1209.4	1215.4
27.5°	1126.8	1136.4	1154.4	1174.7	1179.5
30°	1087.4	1095.7	1117.3	1136.4	1144.8
32.5°	1047.9	1056.3	1076.6	1095.7	1101.7
35°	1001.2	1013.2	1033.5	1051.5	1057.5
37.5°	955.8	966.6	988.1	1006.0	1012.0
40°	907.9	917.5	940.2	957.0	961.8
42.5°	860.1	869.7	892.4	905.5	910.3
45°	809.8	820.6	839.8	854.1	857.7
47.5°	759.6	768.0	785.9	799.1	803.9
50°	708.2	716.5	734.5	745.2	747.6
52.5°	656.7	662.7	679.5	689.0	692.6
55°	605.3	611.3	624.4	635.2	634.0
57.5°	556.2	558.6	571.8	579.0	579.0
60°	501.2	503.6	514.4	519.2	520.4
62.5°	449.8	453.4	461.7	462.9	462.9
65°	399.5	400.7	405.5	407.9	407.9
67.5°	349.3	348.1	352.9	352.9	351.7
70°	296.7	299.1	300.3	297.9	296.7
72.5°	248.8	247.6	247.6	246.4	246.4
75°	202.2	199.8	201.0	196.2	195.0
77.5°	159.1	155.5	154.3	151.9	149.5
80°	114.8	114.8	113.6	111.2	110.1
82.5°	76.6	76.6	75.4	73.0	70.6
85°	43.1	43.1	41.9	38.3	37.1
87.5°	14.4	14.4	14.4	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)