

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: P296904

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2690.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

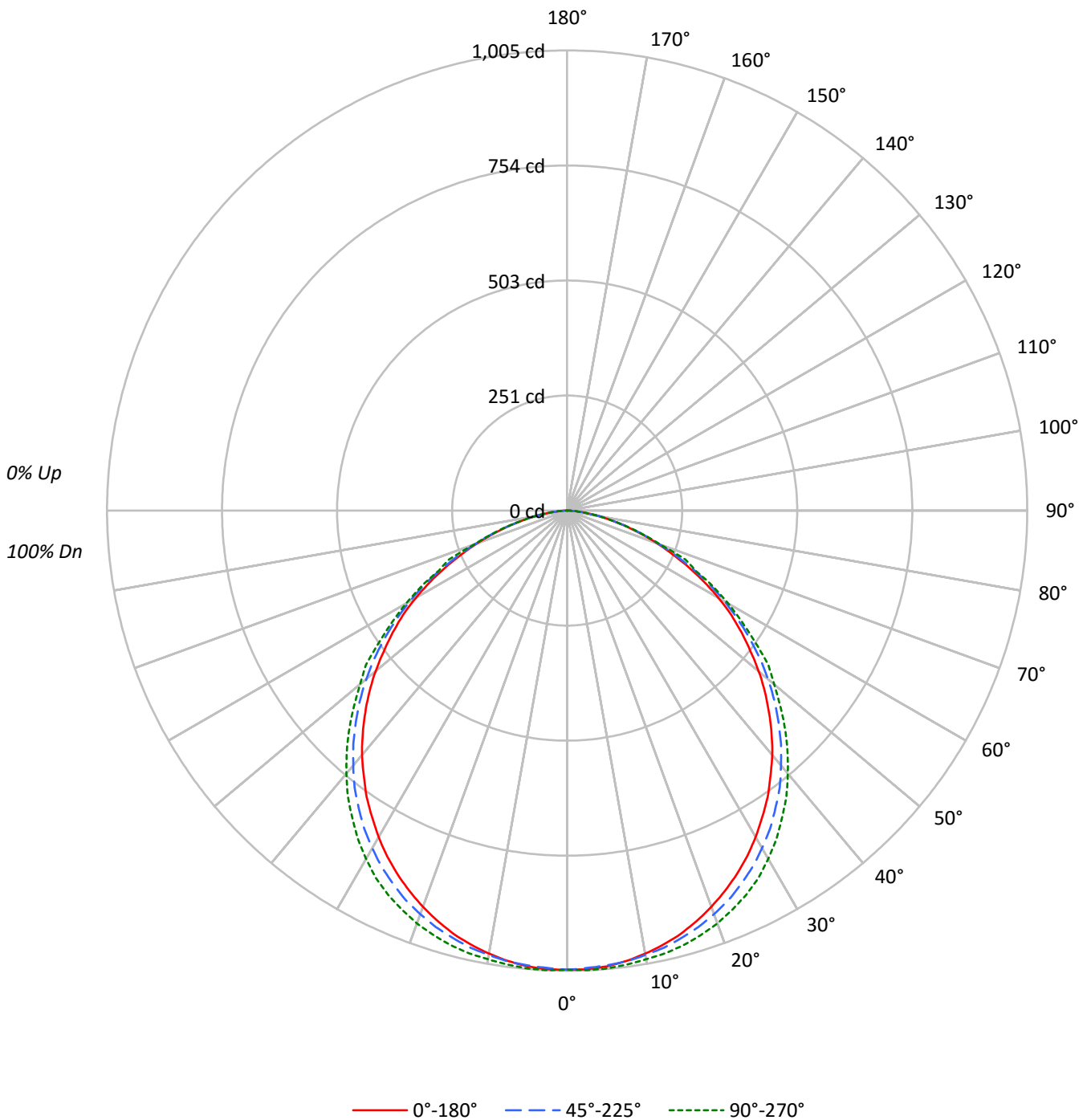
Input Watts (W): 21.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	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°	1349	1349	1349
5°	1349	1347	1356
10°	1342	1346	1360
15°	1334	1346	1369
20°	1318	1343	1374
25°	1301	1335	1374
30°	1279	1323	1365
35°	1254	1303	1344
40°	1224	1277	1317
45°	1186	1242	1280
50°	1144	1198	1234
55°	1091	1141	1175
60°	1028	1068	1093
65°	934	965	983
70°	820	839	851
75°	692	702	708
80°	553	561	546
85°	372	387	372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	3.5
10°-20°	273.3	10.2
20°-30°	414.7	15.4
30°-40°	495.1	18.4
40°-50°	501.2	18.6
50°-60°	433.2	16.1
60°-70°	300.3	11.2
70°-80°	145.3	5.4
80°-90°	31.9	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°	783.0	29.1
0°-40°	1278.1	47.5
0°-60°	2212.5	82.2
0°-90°	2690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1003	1003	1003	1003	1003	
5°	999	998	997	1002	1004	95
15°	957	959	966	978	982	270
25°	876	882	900	918	926	404
35°	764	770	793	814	818	477
45°	624	632	652	669	673	481
55°	465	470	486	507	501	416
65°	293	296	303	308	309	290
75°	133	134	135	134	136	143
85°	24	26	25	24	24	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.8	1002.8	1002.8	1002.8	1002.8
2.5°	1002.8	1001.8	999.9	1002.8	1004.7
5°	999.0	998.0	997.0	1001.8	1003.8
7.5°	992.2	992.2	993.2	998.0	999.9
10°	982.5	983.5	985.4	993.2	995.1
12.5°	971.0	972.9	977.7	986.4	990.3
15°	957.4	959.4	966.1	977.7	982.5
17.5°	940.1	943.9	953.6	967.1	971.9
20°	920.8	925.6	938.1	953.6	959.4
22.5°	899.5	904.4	920.8	937.2	943.0
25°	876.4	882.2	899.5	917.9	925.6
27.5°	851.3	858.0	877.3	896.6	904.4
30°	823.3	831.0	851.3	871.5	878.3
32.5°	793.4	801.1	824.3	843.6	850.3
35°	763.5	770.2	793.4	813.6	818.5
37.5°	729.7	737.4	762.5	779.9	786.6
40°	696.9	704.6	726.8	744.1	749.9
42.5°	661.1	668.9	691.1	707.5	712.3
45°	623.5	632.2	652.5	668.9	672.7
47.5°	585.9	592.6	613.8	628.3	631.2
50°	546.3	553.0	572.3	586.8	589.7
52.5°	504.8	515.4	530.8	541.5	554.0
55°	465.2	470.0	486.4	506.7	500.9
57.5°	425.6	428.5	442.0	450.7	452.7
60°	382.2	386.1	396.7	401.5	406.3
62.5°	336.8	339.7	352.3	357.1	359.0
65°	293.4	296.3	303.1	307.9	308.9
67.5°	249.0	251.9	257.7	261.6	278.9
70°	208.5	210.4	213.3	221.0	216.2
72.5°	169.9	170.8	173.7	173.7	174.7
75°	133.2	134.2	135.1	134.2	136.1
77.5°	99.4	101.3	102.3	101.3	100.4
80°	71.4	73.4	72.4	70.5	70.5
82.5°	46.3	47.3	46.3	45.4	45.4
85°	24.1	26.1	25.1	24.1	24.1
87.5°	8.7	9.7	10.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)