

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: P297462

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2738.0 lumens
Efficiency: N/A
Efficacy: 127.3 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

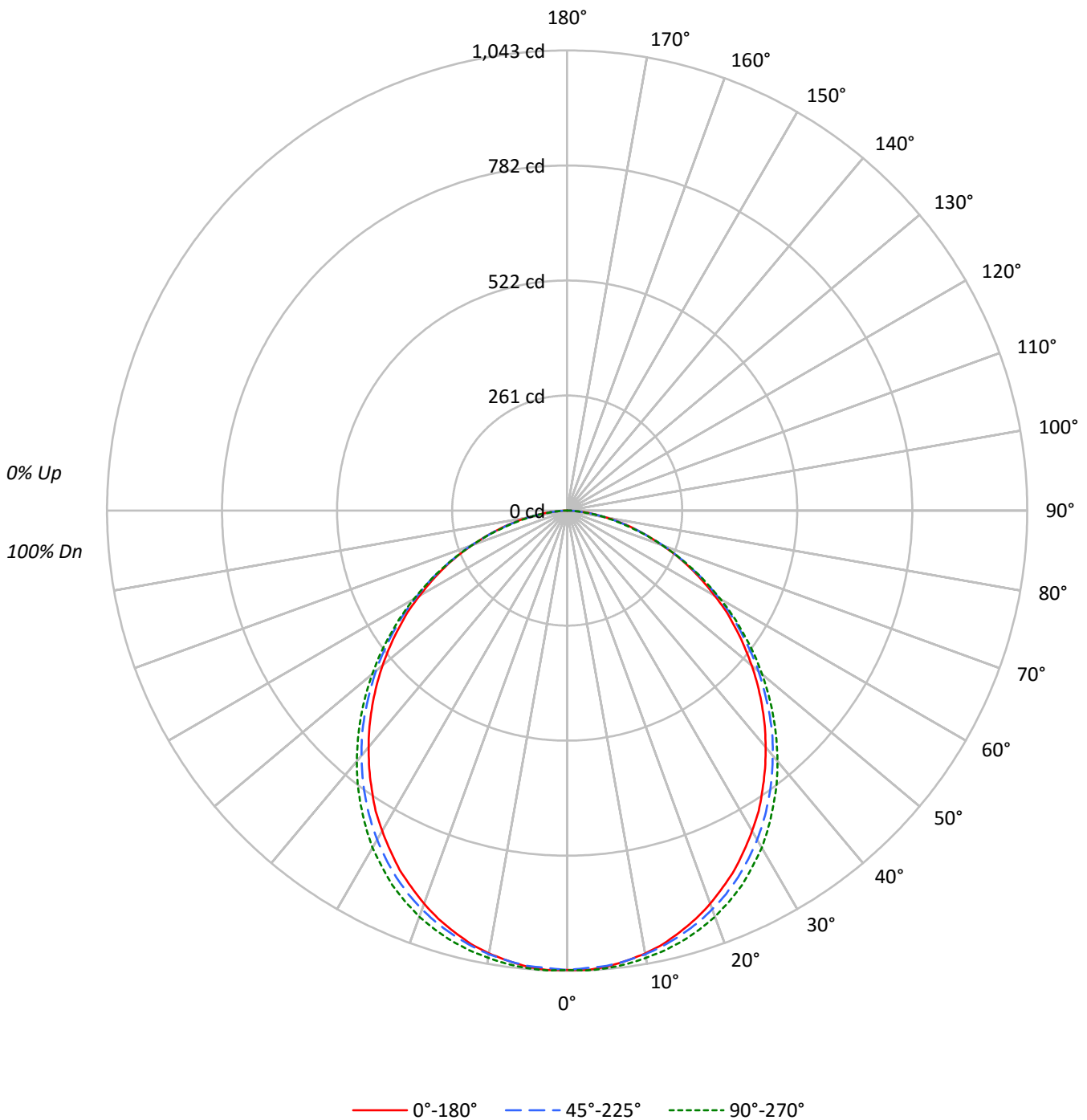
Input Watts (W): 21.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1401	1401	1401
5°	1401	1399	1406
10°	1392	1395	1406
15°	1377	1388	1407
20°	1358	1377	1402
25°	1334	1361	1391
30°	1303	1338	1371
35°	1268	1309	1339
40°	1229	1273	1303
45°	1188	1232	1258
50°	1143	1185	1207
55°	1095	1129	1147
60°	1040	1067	1080
65°	981	996	1001
70°	900	911	900
75°	810	806	781
80°	686	679	658
85°	513	499	442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.6
10°-20°	281.6	10.3
20°-30°	422.3	15.4
30°-40°	497.3	18.2
40°-50°	497.4	18.2
50°-60°	429.2	15.7
60°-70°	308.8	11.3
70°-80°	163.8	6.0
80°-90°	39.1	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°	802.5	29.3
0°-40°	1299.8	47.5
0°-60°	2226.3	81.3
0°-90°	2738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1041	1041	1041	1041	1041	
5°	1038	1037	1036	1040	1041	98
15°	989	992	996	1006	1010	279
25°	898	904	917	932	937	413
35°	772	781	797	811	815	483
45°	624	633	648	658	661	482
55°	467	471	482	490	489	418
65°	308	309	313	314	314	305
75°	156	154	155	151	150	166
85°	33	33	32	30	29	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1041.3	1041.3	1041.3	1041.3	1041.3
2.5°	1042.2	1040.4	1037.6	1041.3	1043.2
5°	1037.6	1036.7	1035.8	1039.5	1041.3
7.5°	1029.3	1030.2	1029.3	1034.9	1036.7
10°	1019.2	1020.1	1021.0	1027.5	1029.3
12.5°	1006.3	1007.2	1010.0	1018.3	1021.0
15°	988.7	991.5	996.1	1006.3	1010.0
17.5°	970.3	974.0	980.4	992.4	996.1
20°	948.2	952.8	962.0	974.9	979.5
22.5°	923.3	927.9	940.8	954.6	959.2
25°	898.4	903.9	916.8	932.5	937.1
27.5°	868.8	876.2	890.0	905.7	909.4
30°	838.4	844.9	861.5	876.2	882.7
32.5°	808.0	814.4	830.1	844.9	849.5
35°	772.0	781.2	796.9	810.7	815.3
37.5°	736.9	745.2	761.8	775.7	780.3
40°	700.0	707.4	725.0	737.9	741.6
42.5°	663.2	670.5	688.1	698.2	701.9
45°	624.4	632.7	647.5	658.5	661.3
47.5°	585.7	592.1	606.0	616.1	619.8
50°	546.0	552.5	566.3	574.6	576.5
52.5°	506.4	511.0	523.9	531.3	534.0
55°	466.7	471.3	481.5	489.8	488.8
57.5°	428.9	430.7	440.9	446.4	446.4
60°	386.5	388.3	396.6	400.3	401.2
62.5°	346.8	349.6	356.0	356.9	356.9
65°	308.1	309.0	312.7	314.5	314.5
67.5°	269.3	268.4	272.1	272.1	271.2
70°	228.7	230.6	231.5	229.7	228.7
72.5°	191.8	190.9	190.9	190.0	190.0
75°	155.9	154.0	155.0	151.3	150.3
77.5°	122.7	119.9	119.0	117.1	115.3
80°	88.5	88.5	87.6	85.8	84.9
82.5°	59.0	59.0	58.1	56.3	54.4
85°	33.2	33.2	32.3	29.5	28.6
87.5°	11.1	11.1	11.1	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)