

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: P296905

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296905
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2731.0 lumens
Efficiency: N/A
Efficacy: 125.3 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

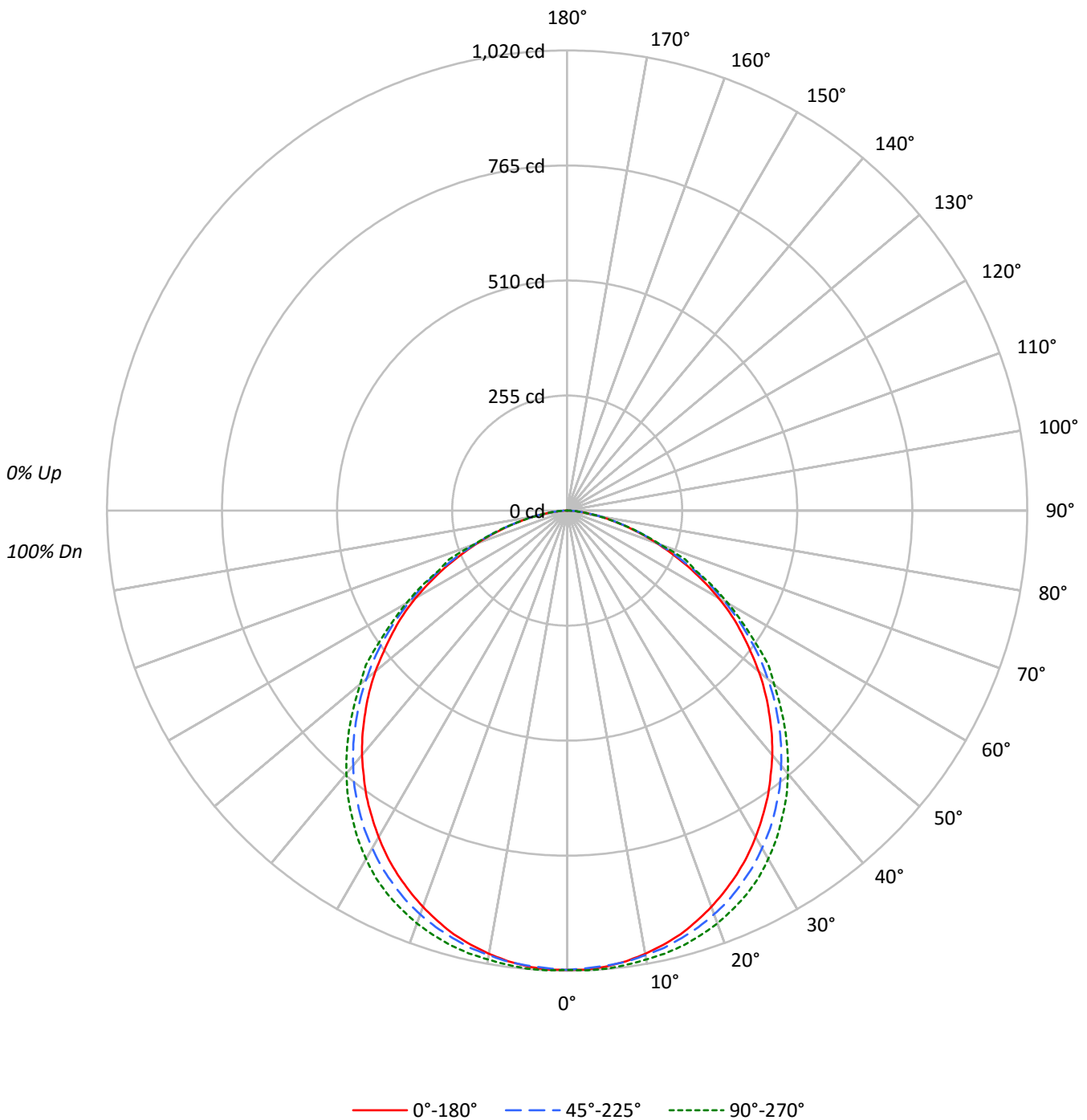
Input Watts (W): 21.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1370	1370	1370
5°	1370	1367	1376
10°	1363	1367	1380
15°	1354	1366	1389
20°	1338	1364	1395
25°	1321	1356	1395
30°	1299	1343	1385
35°	1273	1323	1365
40°	1243	1296	1337
45°	1204	1260	1300
50°	1161	1216	1253
55°	1108	1159	1193
60°	1044	1084	1110
65°	948	980	998
70°	833	852	864
75°	703	713	718
80°	562	570	554
85°	378	394	378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	3.5
10°-20°	277.5	10.2
20°-30°	421.0	15.4
30°-40°	502.6	18.4
40°-50°	508.8	18.6
50°-60°	439.8	16.1
60°-70°	304.8	11.2
70°-80°	147.5	5.4
80°-90°	32.4	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°	794.9	29.1
0°-40°	1297.5	47.5
0°-60°	2246.2	82.2
0°-90°	2731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1014	1013	1012	1017	1019	96
15°	972	974	981	993	998	274
25°	890	896	913	932	940	410
35°	775	782	806	826	831	484
45°	633	642	662	679	683	488
55°	472	477	494	514	509	422
65°	298	301	308	313	314	295
75°	135	136	137	136	138	145
85°	24	26	26	24	24	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	1018.1	1017.1	1015.2	1018.1	1020.1
5°	1014.2	1013.2	1012.2	1017.1	1019.1
7.5°	1007.3	1007.3	1008.3	1013.2	1015.2
10°	997.5	998.5	1000.5	1008.3	1010.3
12.5°	985.8	987.7	992.6	1001.4	1005.4
15°	972.0	974.0	980.9	992.6	997.5
17.5°	954.4	958.3	968.1	981.8	986.7
20°	934.8	939.7	952.4	968.1	974.0
22.5°	913.2	918.1	934.8	951.5	957.3
25°	889.7	895.6	913.2	931.9	939.7
27.5°	864.3	871.1	890.7	910.3	918.1
30°	835.8	843.7	864.3	884.8	891.7
32.5°	805.5	813.3	836.8	856.4	863.3
35°	775.1	781.9	805.5	826.0	830.9
37.5°	740.8	748.6	774.1	791.7	798.6
40°	707.5	715.3	737.9	755.5	761.4
42.5°	671.2	679.1	701.6	718.3	723.2
45°	633.0	641.8	662.4	679.1	683.0
47.5°	594.8	601.6	623.2	637.9	640.8
50°	554.6	561.5	581.1	595.8	598.7
52.5°	512.5	523.3	538.9	549.7	562.5
55°	472.3	477.2	493.9	514.4	508.6
57.5°	432.1	435.1	448.8	457.6	459.6
60°	388.0	392.0	402.7	407.6	412.5
62.5°	342.0	344.9	357.7	362.6	364.5
65°	297.9	300.8	307.7	312.6	313.6
67.5°	252.8	255.7	261.6	265.5	283.2
70°	211.7	213.6	216.6	224.4	219.5
72.5°	172.5	173.4	176.4	176.4	177.4
75°	135.2	136.2	137.2	136.2	138.2
77.5°	100.9	102.9	103.9	102.9	101.9
80°	72.5	74.5	73.5	71.5	71.5
82.5°	47.0	48.0	47.0	46.1	46.1
85°	24.5	26.5	25.5	24.5	24.5
87.5°	8.8	9.8	10.8	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)