

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: P298120

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3019.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

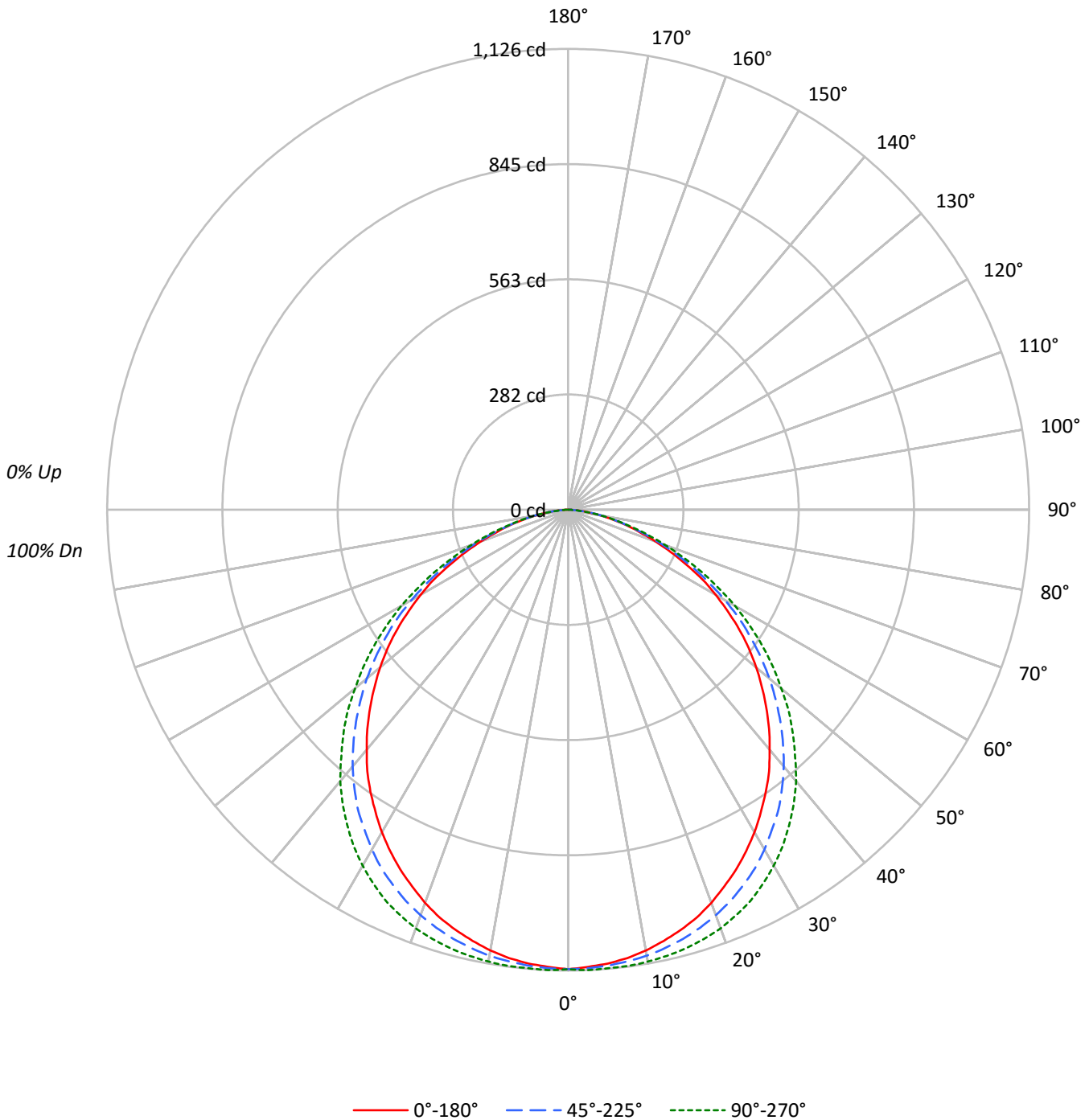
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		95	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	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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	31	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°	3022	3022	3022
5°	3007	3020	3038
10°	2988	3024	3064
15°	2961	3024	3092
20°	2927	3020	3118
25°	2880	3006	3131
30°	2828	2979	3121
35°	2765	2941	3091
40°	2689	2877	3042
45°	2603	2789	2956
50°	2510	2687	2844
55°	2394	2554	2714
60°	2239	2379	2537
65°	2028	2152	2287
70°	1790	1880	1982
75°	1538	1571	1639
80°	1234	1260	1285
85°	905	803	803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	3.5
10°-20°	306.5	10.2
20°-30°	466.2	15.4
30°-40°	557.8	18.5
40°-50°	563.9	18.7
50°-60°	485.3	16.1
60°-70°	335.1	11.1
70°-80°	162.5	5.4
80°-90°	35.3	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°	879.2	29.1
0°-40°	1437.0	47.6
0°-60°	2486.2	82.4
0°-90°	3019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1113	1115	1118	1123	1124	106
15°	1063	1069	1086	1102	1110	300
25°	970	982	1012	1043	1055	447
35°	842	856	895	928	941	526
45°	684	697	733	764	777	528
55°	510	518	544	569	578	455
65°	318	323	338	353	359	317
75°	148	145	151	156	158	157
85°	29	29	26	26	26	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1118.0	1118.0	1121.3	1124.5	1126.1
5°	1113.1	1114.8	1118.0	1122.9	1124.5
7.5°	1105.0	1106.6	1113.1	1121.3	1124.5
10°	1093.6	1096.9	1106.6	1116.4	1121.3
12.5°	1079.0	1085.5	1096.9	1109.9	1116.4
15°	1062.8	1069.3	1085.5	1101.8	1109.9
17.5°	1044.9	1051.4	1070.9	1092.0	1100.1
20°	1022.1	1031.9	1054.6	1079.0	1088.8
22.5°	996.1	1009.1	1035.1	1061.1	1072.5
25°	970.1	981.5	1012.4	1043.3	1054.6
27.5°	940.9	953.9	988.0	1018.9	1030.3
30°	910.0	923.0	958.8	992.9	1004.3
32.5°	875.9	892.1	926.3	962.0	975.0
35°	841.8	856.4	895.4	927.9	940.9
37.5°	806.0	819.0	858.0	892.1	905.1
40°	765.4	780.0	819.0	853.1	866.1
42.5°	726.4	741.0	776.8	809.3	820.6
45°	684.1	697.1	732.9	763.8	776.8
47.5°	641.9	656.5	687.4	718.3	731.3
50°	599.6	611.0	641.9	671.1	679.3
52.5°	555.8	565.5	593.1	619.1	630.5
55°	510.3	518.4	544.4	568.8	578.5
57.5°	461.5	471.3	495.6	513.5	524.9
60°	416.0	420.9	442.0	459.9	471.3
62.5°	370.5	372.1	388.4	406.3	412.8
65°	318.5	323.4	338.0	352.6	359.1
67.5°	271.4	276.3	287.6	299.0	303.9
70°	227.5	227.5	238.9	247.0	251.9
72.5°	183.6	185.3	193.4	198.3	203.1
75°	147.9	144.6	151.1	156.0	157.6
77.5°	110.5	108.9	113.8	115.4	118.6
80°	79.6	79.6	81.3	82.9	82.9
82.5°	52.0	52.0	53.6	50.4	48.8
85°	29.3	29.3	26.0	26.0	26.0
87.5°	9.8	9.8	9.8	11.4	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)