

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: P298279

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2706.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

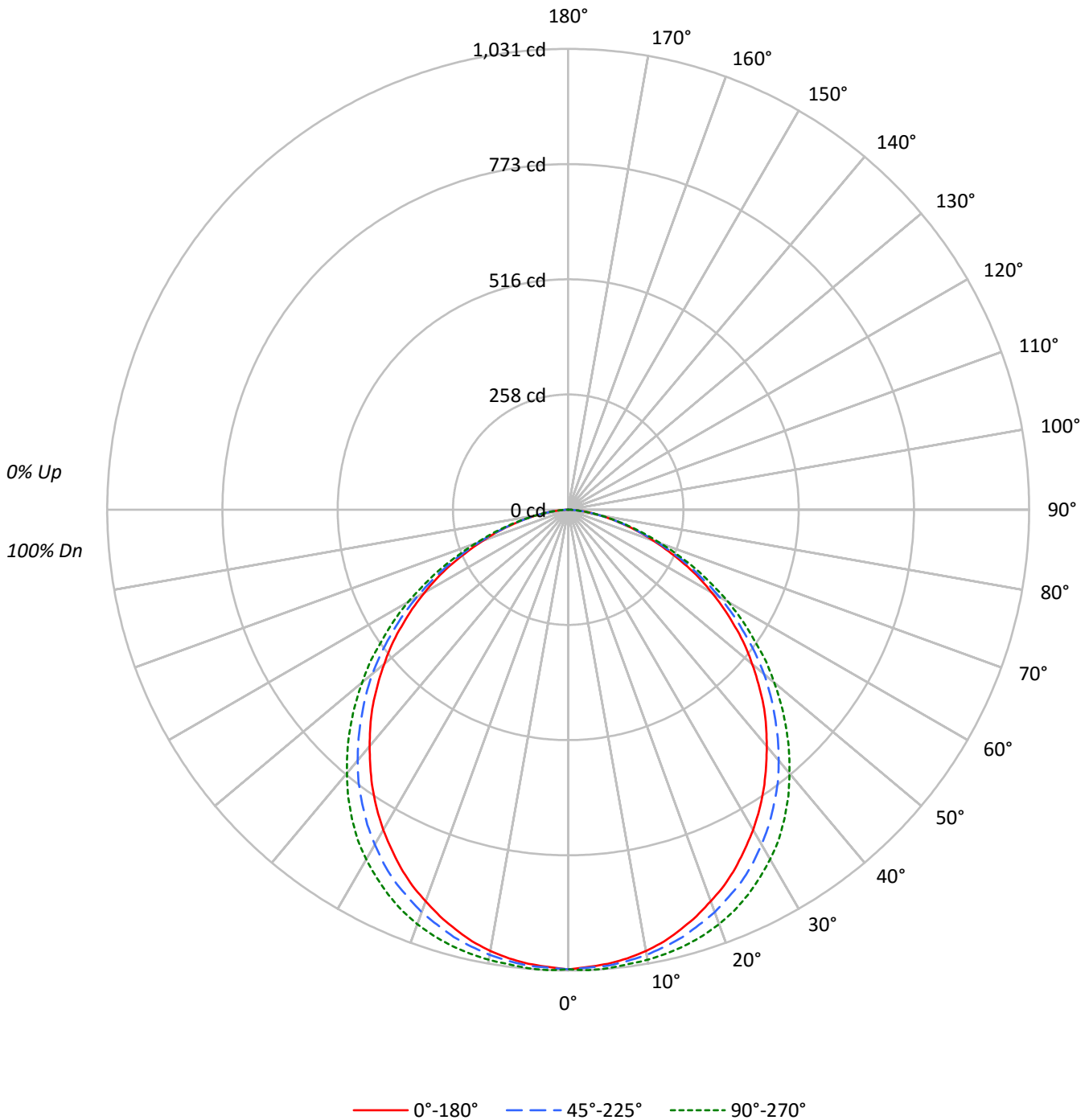
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2767	2767	2767
5°	2754	2766	2782
10°	2739	2763	2794
15°	2709	2757	2813
20°	2669	2743	2826
25°	2627	2725	2823
30°	2571	2687	2807
35°	2505	2638	2770
40°	2427	2573	2704
45°	2350	2487	2624
50°	2249	2393	2519
55°	2136	2257	2379
60°	1994	2103	2226
65°	1820	1902	2012
70°	1593	1661	1729
75°	1359	1389	1448
80°	1091	1113	1134
85°	800	753	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.6
10°-20°	279.4	10.3
20°-30°	422.3	15.6
30°-40°	501.6	18.5
40°-50°	503.6	18.6
50°-60°	430.2	15.9
60°-70°	296.4	11.0
70°-80°	143.7	5.3
80°-90°	31.4	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°	799.0	29.5
0°-40°	1300.7	48.1
0°-60°	2234.5	82.6
0°-90°	2706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1020	1020	1024	1027	1030	97
15°	972	977	990	1002	1010	274
25°	885	892	918	942	951	407
35°	763	774	803	833	843	476
45°	618	626	654	681	689	475
55°	455	462	481	501	507	407
65°	286	286	299	312	316	283
75°	131	128	134	136	139	140
85°	26	26	24	23	23	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1028.3	1028.3	1028.3	1028.3	1028.3
2.5°	1024.0	1024.0	1025.5	1029.8	1031.2
5°	1019.7	1019.7	1024.0	1026.9	1029.8
7.5°	1012.5	1014.0	1018.3	1024.0	1025.5
10°	1002.5	1003.9	1011.1	1018.3	1022.6
12.5°	989.6	992.4	1001.1	1012.5	1016.9
15°	972.3	976.6	989.6	1002.5	1009.7
17.5°	953.7	959.4	973.8	992.4	999.6
20°	932.1	939.3	958.0	978.1	986.7
22.5°	910.6	916.3	937.9	960.8	970.9
25°	884.7	891.9	917.8	942.2	950.8
27.5°	856.0	866.0	893.3	919.2	927.8
30°	827.3	835.9	864.6	893.3	903.4
32.5°	795.7	804.3	835.9	864.6	876.1
35°	762.6	774.1	802.9	833.0	843.1
37.5°	726.7	739.7	769.8	795.7	808.6
40°	690.8	702.3	732.5	759.8	769.8
42.5°	654.9	665.0	693.7	722.4	731.0
45°	617.6	626.2	653.5	680.8	689.4
47.5°	577.4	587.4	613.3	636.3	646.3
50°	537.2	547.2	571.6	593.2	601.8
52.5°	498.4	504.1	527.1	547.2	557.3
55°	455.3	462.5	481.1	501.2	507.0
57.5°	413.6	417.9	436.6	453.8	462.5
60°	370.5	373.4	390.7	403.6	413.6
62.5°	330.3	330.3	343.3	357.6	363.4
65°	285.8	285.8	298.7	311.7	316.0
67.5°	242.7	245.6	254.2	264.3	267.1
70°	202.5	202.5	211.1	218.3	219.7
72.5°	166.6	165.2	169.5	175.2	178.1
75°	130.7	127.8	133.6	136.4	139.3
77.5°	99.1	97.7	100.5	103.4	103.4
80°	70.4	68.9	71.8	71.8	73.2
82.5°	46.0	47.4	47.4	46.0	44.5
85°	25.9	25.9	24.4	23.0	23.0
87.5°	8.6	8.6	8.6	10.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)