

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: P298278

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298278
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-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2603.0 lumens
Efficiency: N/A
Efficacy: 93.6 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

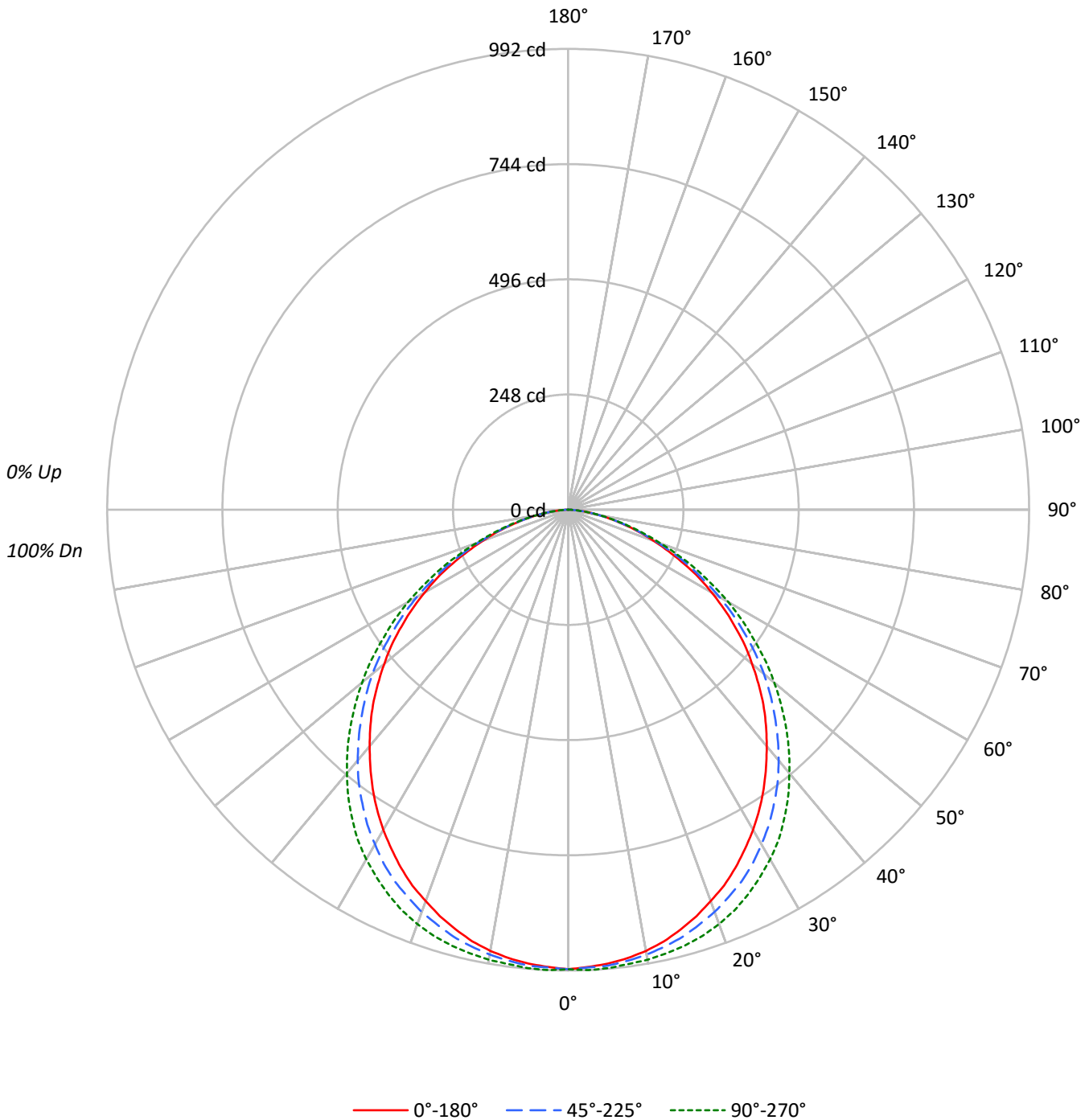
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2662	2662	2662
5°	2650	2661	2676
10°	2635	2658	2688
15°	2606	2652	2706
20°	2568	2639	2718
25°	2527	2621	2716
30°	2473	2584	2700
35°	2410	2537	2664
40°	2334	2475	2601
45°	2261	2392	2524
50°	2163	2302	2424
55°	2055	2171	2288
60°	1918	2023	2141
65°	1750	1830	1935
70°	1533	1598	1663
75°	1307	1336	1393
80°	1049	1071	1093
85°	769	726	682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.6
10°-20°	268.7	10.3
20°-30°	406.3	15.6
30°-40°	482.6	18.5
40°-50°	484.5	18.6
50°-60°	413.8	15.9
60°-70°	285.1	11.0
70°-80°	138.2	5.3
80°-90°	30.3	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°	768.6	29.5
0°-40°	1251.2	48.1
0°-60°	2149.4	82.6
0°-90°	2603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	981	981	985	988	991	93
15°	935	940	952	964	971	264
25°	851	858	883	906	915	392
35°	734	745	772	801	811	458
45°	594	602	629	655	663	457
55°	438	445	463	482	488	392
65°	275	275	287	300	304	272
75°	126	123	128	131	134	135
85°	25	25	24	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	989.2	989.2	989.2	989.2	989.2
2.5°	985.1	985.1	986.4	990.6	992.0
5°	980.9	980.9	985.1	987.8	990.6
7.5°	974.0	975.4	979.5	985.1	986.4
10°	964.3	965.7	972.6	979.5	983.7
12.5°	951.9	954.7	962.9	974.0	978.1
15°	935.3	939.5	951.9	964.3	971.2
17.5°	917.4	922.9	936.7	954.7	961.6
20°	896.6	903.5	921.5	940.8	949.1
22.5°	875.9	881.4	902.2	924.3	933.9
25°	851.0	858.0	882.8	906.3	914.6
27.5°	823.4	833.1	859.3	884.2	892.5
30°	795.8	804.1	831.7	859.3	869.0
32.5°	765.4	773.7	804.1	831.7	842.8
35°	733.6	744.7	772.3	801.3	811.0
37.5°	699.1	711.5	740.5	765.4	777.8
40°	664.5	675.6	704.6	730.8	740.5
42.5°	630.0	639.7	667.3	694.9	703.2
45°	594.1	602.4	628.6	654.9	663.2
47.5°	555.4	565.1	589.9	612.0	621.7
50°	516.7	526.4	549.9	570.6	578.9
52.5°	479.4	484.9	507.0	526.4	536.0
55°	438.0	444.9	462.8	482.2	487.7
57.5°	397.9	402.0	420.0	436.6	444.9
60°	356.4	359.2	375.8	388.2	397.9
62.5°	317.8	317.8	330.2	344.0	349.5
65°	274.9	274.9	287.4	299.8	303.9
67.5°	233.5	236.2	244.5	254.2	257.0
70°	194.8	194.8	203.1	210.0	211.4
72.5°	160.3	158.9	163.0	168.6	171.3
75°	125.7	123.0	128.5	131.2	134.0
77.5°	95.3	93.9	96.7	99.5	99.5
80°	67.7	66.3	69.1	69.1	70.5
82.5°	44.2	45.6	45.6	44.2	42.8
85°	24.9	24.9	23.5	22.1	22.1
87.5°	8.3	8.3	8.3	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)