

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: P298277

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298277
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-31L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2800.0 lumens
Efficiency: N/A
Efficacy: 109.4 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

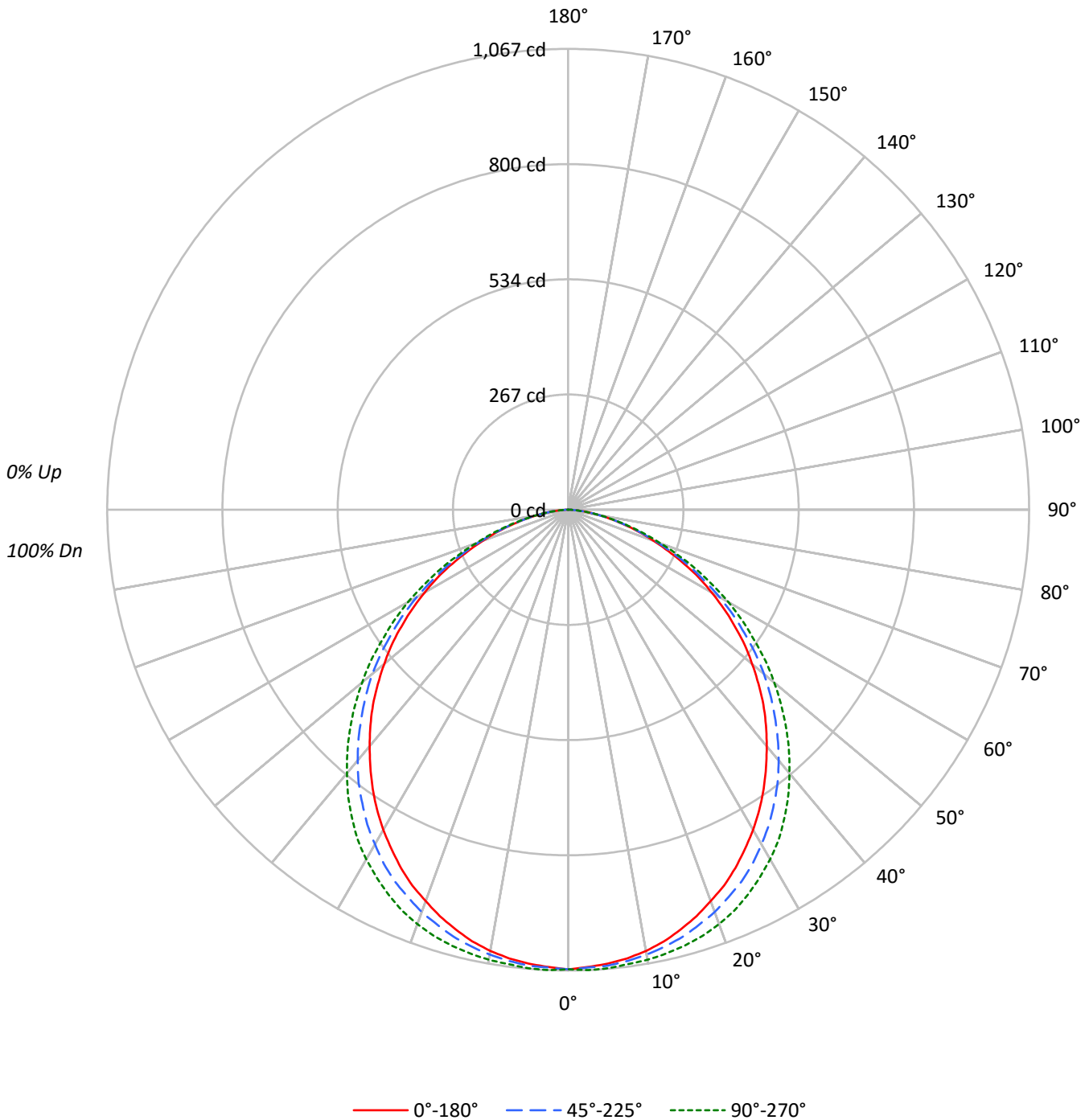
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2863	2863	2863
5°	2850	2862	2878
10°	2834	2859	2891
15°	2803	2852	2910
20°	2762	2838	2924
25°	2718	2820	2921
30°	2660	2780	2905
35°	2592	2729	2866
40°	2511	2662	2798
45°	2432	2573	2715
50°	2327	2476	2607
55°	2210	2336	2461
60°	2063	2175	2303
65°	1883	1968	2082
70°	1648	1719	1789
75°	1406	1437	1499
80°	1128	1151	1175
85°	827	781	735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.6
10°-20°	289.1	10.3
20°-30°	437.0	15.6
30°-40°	519.1	18.5
40°-50°	521.1	18.6
50°-60°	445.1	15.9
60°-70°	306.7	11.0
70°-80°	148.7	5.3
80°-90°	32.5	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°	826.8	29.5
0°-40°	1345.9	48.1
0°-60°	2312.1	82.6
0°-90°	2800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2800.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1055	1055	1060	1063	1066	100
15°	1006	1011	1024	1037	1045	284
25°	916	923	950	975	984	421
35°	789	801	831	862	872	493
45°	639	648	676	704	713	492
55°	471	478	498	519	525	421
65°	296	296	309	322	327	293
75°	135	132	138	141	144	145
85°	27	27	25	24	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1064.1	1064.1	1064.1	1064.1	1064.1
2.5°	1059.6	1059.6	1061.1	1065.6	1067.0
5°	1055.1	1055.1	1059.6	1062.6	1065.6
7.5°	1047.7	1049.2	1053.7	1059.6	1061.1
10°	1037.3	1038.8	1046.2	1053.7	1058.1
12.5°	1023.9	1026.9	1035.8	1047.7	1052.2
15°	1006.1	1010.6	1023.9	1037.3	1044.7
17.5°	986.8	992.7	1007.6	1026.9	1034.3
20°	964.5	971.9	991.2	1012.0	1021.0
22.5°	942.2	948.1	970.4	994.2	1004.6
25°	915.5	922.9	949.6	974.9	983.8
27.5°	885.7	896.1	924.4	951.1	960.0
30°	856.0	864.9	894.6	924.4	934.8
32.5°	823.3	832.2	864.9	894.6	906.5
35°	789.1	801.0	830.7	862.0	872.4
37.5°	752.0	765.4	796.6	823.3	836.7
40°	714.8	726.7	757.9	786.2	796.6
42.5°	677.7	688.1	717.8	747.5	756.4
45°	639.0	647.9	676.2	704.4	713.3
47.5°	597.4	607.8	634.6	658.4	668.8
50°	555.8	566.2	591.5	613.8	622.7
52.5°	515.7	521.6	545.4	566.2	576.6
55°	471.1	478.5	497.9	518.7	524.6
57.5°	428.0	432.5	451.8	469.6	478.5
60°	383.4	386.4	404.2	417.6	428.0
62.5°	341.8	341.8	355.2	370.0	376.0
65°	295.7	295.7	309.1	322.5	326.9
67.5°	251.2	254.1	263.0	273.4	276.4
70°	209.5	209.5	218.5	225.9	227.4
72.5°	172.4	170.9	175.4	181.3	184.3
75°	135.2	132.3	138.2	141.2	144.2
77.5°	102.5	101.1	104.0	107.0	107.0
80°	72.8	71.3	74.3	74.3	75.8
82.5°	47.6	49.0	49.0	47.6	46.1
85°	26.8	26.8	25.3	23.8	23.8
87.5°	8.9	8.9	8.9	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)