

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: P298177

Luminaire Tested: **D3X-WG-25L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298177
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-25L82765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2183.0 lumens
Efficiency: N/A
Efficacy: 116.1 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

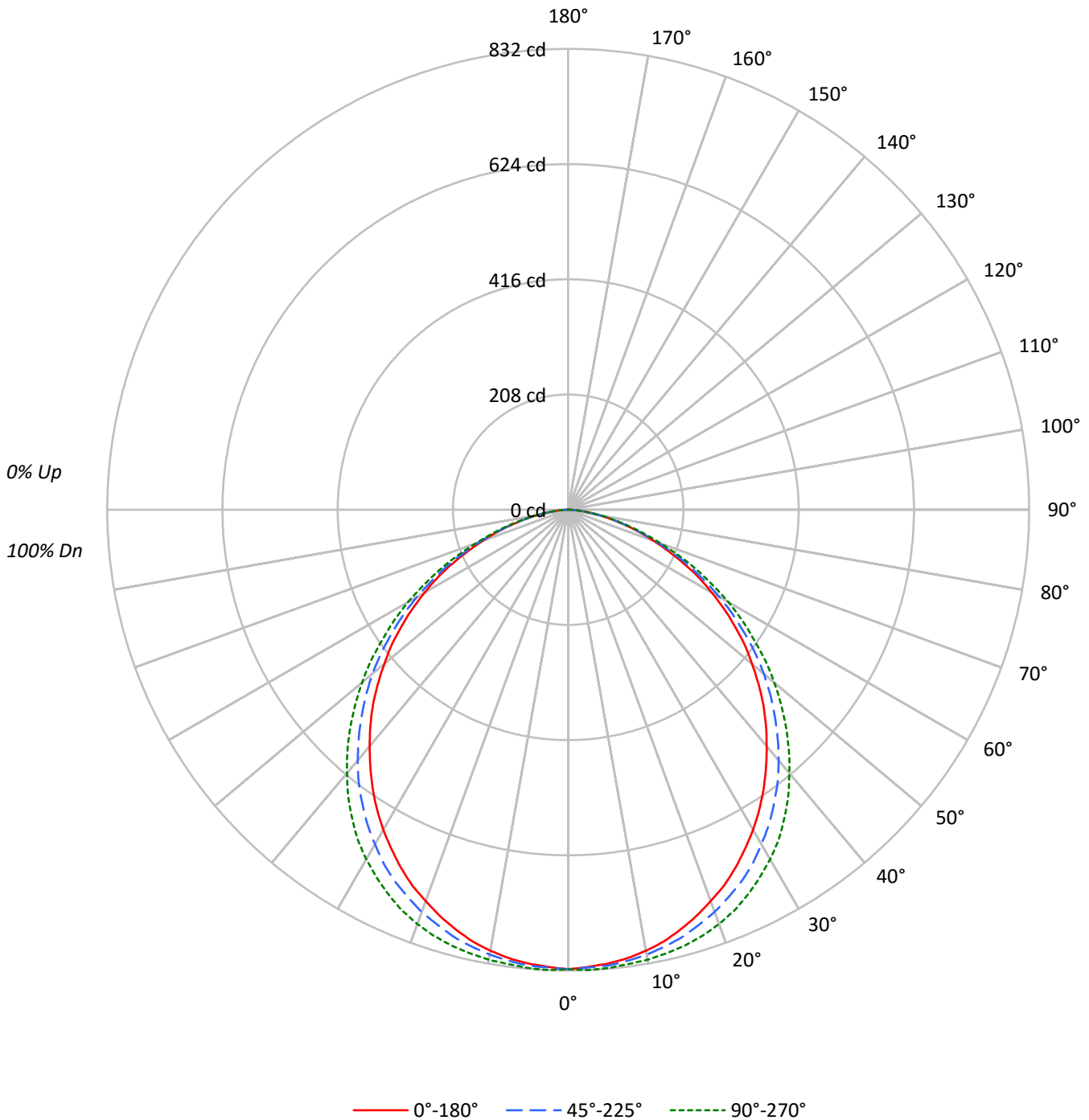
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2232	2232	2232
5°	2222	2232	2244
10°	2210	2229	2254
15°	2185	2224	2269
20°	2153	2213	2279
25°	2119	2198	2277
30°	2074	2167	2265
35°	2021	2128	2234
40°	1958	2076	2181
45°	1896	2006	2116
50°	1814	1930	2033
55°	1723	1821	1919
60°	1609	1696	1796
65°	1468	1535	1623
70°	1286	1340	1395
75°	1096	1121	1169
80°	880	897	916
85°	645	608	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	3.6
10°-20°	225.4	10.3
20°-30°	340.7	15.6
30°-40°	404.7	18.5
40°-50°	406.3	18.6
50°-60°	347.0	15.9
60°-70°	239.1	11.0
70°-80°	115.9	5.3
80°-90°	25.4	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°	644.6	29.5
0°-40°	1049.3	48.1
0°-60°	1802.6	82.6
0°-90°	2183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	823	823	826	828	831	78
15°	784	788	798	809	814	221
25°	714	720	740	760	767	328
35°	615	624	648	672	680	384
45°	498	505	527	549	556	384
55°	367	373	388	404	409	328
65°	231	231	241	251	255	228
75°	105	103	108	110	112	113
85°	21	21	20	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	829.6	829.6	829.6	829.6	829.6
2.5°	826.1	826.1	827.3	830.7	831.9
5°	822.6	822.6	826.1	828.4	830.7
7.5°	816.8	818.0	821.5	826.1	827.3
10°	808.7	809.9	815.7	821.5	825.0
12.5°	798.3	800.6	807.6	816.8	820.3
15°	784.4	787.9	798.3	808.7	814.5
17.5°	769.3	774.0	785.6	800.6	806.4
20°	752.0	757.8	772.8	789.0	796.0
22.5°	734.6	739.2	756.6	775.1	783.2
25°	713.7	719.5	740.4	760.1	767.0
27.5°	690.6	698.7	720.7	741.5	748.5
30°	667.4	674.3	697.5	720.7	728.8
32.5°	641.9	648.8	674.3	697.5	706.8
35°	615.2	624.5	647.7	672.0	680.1
37.5°	586.3	596.7	621.0	641.9	652.3
40°	557.3	566.6	590.9	612.9	621.0
42.5°	528.3	536.5	559.6	582.8	589.8
45°	498.2	505.2	527.2	549.2	556.1
47.5°	465.8	473.9	494.7	513.3	521.4
50°	433.3	441.4	461.1	478.5	485.5
52.5°	402.0	406.7	425.2	441.4	449.6
55°	367.3	373.1	388.1	404.4	409.0
57.5°	333.7	337.2	352.2	366.1	373.1
60°	298.9	301.2	315.2	325.6	333.7
62.5°	266.5	266.5	276.9	288.5	293.1
65°	230.6	230.6	241.0	251.4	254.9
67.5°	195.8	198.1	205.1	213.2	215.5
70°	163.4	163.4	170.3	176.1	177.3
72.5°	134.4	133.2	136.7	141.4	143.7
75°	105.4	103.1	107.8	110.1	112.4
77.5°	79.9	78.8	81.1	83.4	83.4
80°	56.8	55.6	57.9	57.9	59.1
82.5°	37.1	38.2	38.2	37.1	35.9
85°	20.9	20.9	19.7	18.5	18.5
87.5°	7.0	7.0	7.0	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)