

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: P298256

Luminaire Tested: **D3X-WG-20L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298256
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-20L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1740.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

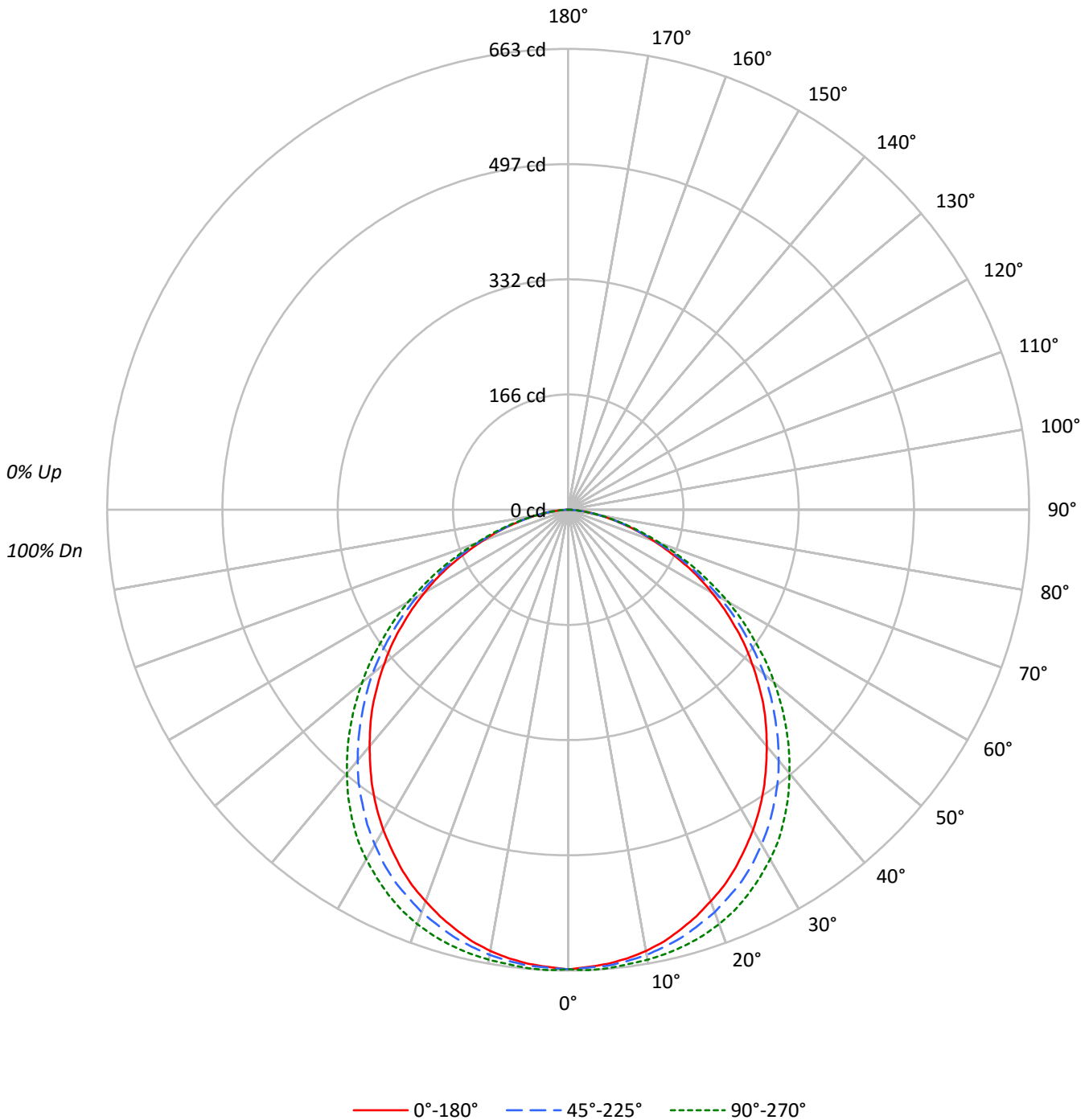
Input Watts (W): 15.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1779	1779	1779
5°	1771	1779	1789
10°	1761	1777	1797
15°	1742	1773	1809
20°	1716	1764	1817
25°	1689	1752	1815
30°	1653	1728	1805
35°	1611	1696	1781
40°	1560	1655	1739
45°	1511	1599	1687
50°	1446	1539	1620
55°	1374	1452	1529
60°	1283	1352	1432
65°	1170	1223	1294
70°	1024	1068	1112
75°	873	893	932
80°	702	716	730
85°	513	485	457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	3.6
10°-20°	179.6	10.3
20°-30°	271.6	15.6
30°-40°	322.6	18.5
40°-50°	323.8	18.6
50°-60°	276.6	15.9
60°-70°	190.6	11.0
70°-80°	92.4	5.3
80°-90°	20.2	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°	513.8	29.5
0°-40°	836.4	48.1
0°-60°	1436.8	82.6
0°-90°	1740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	656	656	658	660	662	62
15°	625	628	636	645	649	176
25°	569	574	590	606	611	262
35°	490	498	516	536	542	306
45°	397	403	420	438	443	306
55°	293	297	309	322	326	262
65°	184	184	192	200	203	182
75°	84	82	86	88	90	90
85°	17	17	16	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.2	661.2	661.2	661.2	661.2
2.5°	658.5	658.5	659.4	662.2	663.1
5°	655.7	655.7	658.5	660.3	662.2
7.5°	651.1	652.0	654.8	658.5	659.4
10°	644.6	645.5	650.2	654.8	657.5
12.5°	636.3	638.2	643.7	651.1	653.9
15°	625.2	628.0	636.3	644.6	649.2
17.5°	613.2	616.9	626.1	638.2	642.8
20°	599.4	604.0	616.0	628.9	634.5
22.5°	585.5	589.2	603.1	617.8	624.3
25°	568.9	573.5	590.1	605.8	611.4
27.5°	550.4	556.9	574.4	591.1	596.6
30°	531.9	537.5	556.0	574.4	580.9
32.5°	511.6	517.2	537.5	556.0	563.3
35°	490.4	497.8	516.2	535.6	542.1
37.5°	467.3	475.6	495.0	511.6	519.9
40°	444.2	451.6	471.0	488.5	495.0
42.5°	421.1	427.6	446.1	464.5	470.1
45°	397.1	402.7	420.2	437.7	443.3
47.5°	371.3	377.7	394.3	409.1	415.6
50°	345.4	351.9	367.6	381.4	387.0
52.5°	320.5	324.2	338.9	351.9	358.3
55°	292.8	297.4	309.4	322.3	326.0
57.5°	266.0	268.7	280.7	291.8	297.4
60°	238.3	240.1	251.2	259.5	266.0
62.5°	212.4	212.4	220.7	230.0	233.7
65°	183.8	183.8	192.1	200.4	203.2
67.5°	156.1	157.9	163.5	169.9	171.8
70°	130.2	130.2	135.8	140.4	141.3
72.5°	107.1	106.2	109.0	112.7	114.5
75°	84.0	82.2	85.9	87.7	89.6
77.5°	63.7	62.8	64.6	66.5	66.5
80°	45.3	44.3	46.2	46.2	47.1
82.5°	29.6	30.5	30.5	29.6	28.6
85°	16.6	16.6	15.7	14.8	14.8
87.5°	5.5	5.5	5.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)