

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: P298421

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-20L92765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1716.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

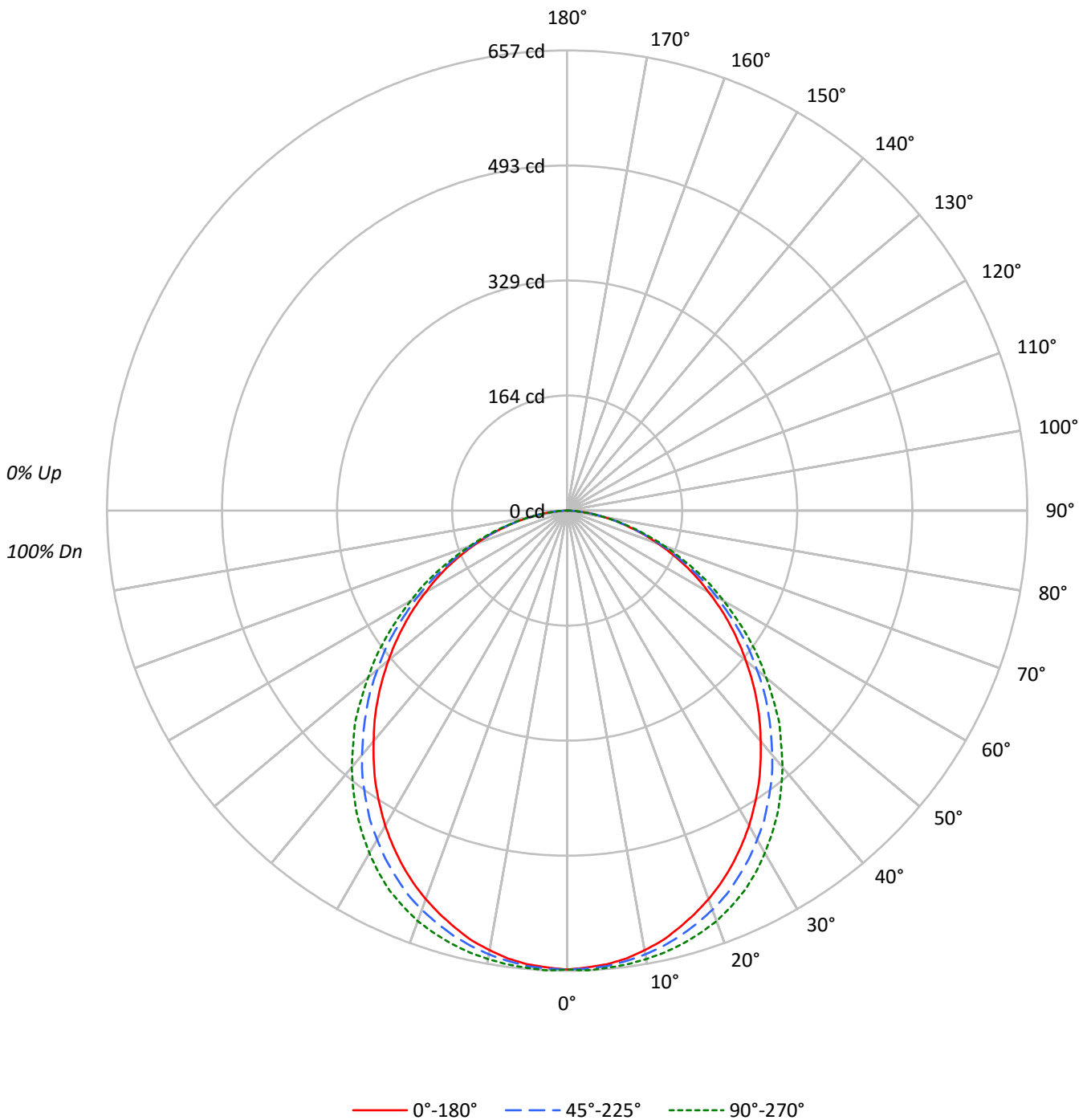
Input Watts (W): 15.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1763	1763	1763
5°	1756	1763	1770
10°	1742	1758	1777
15°	1719	1750	1783
20°	1691	1737	1786
25°	1656	1715	1778
30°	1614	1686	1755
35°	1566	1647	1723
40°	1510	1600	1681
45°	1457	1544	1629
50°	1395	1481	1552
55°	1331	1411	1479
60°	1256	1329	1389
65°	1186	1230	1289
70°	1089	1123	1163
75°	968	995	1022
80°	834	821	821
85°	633	580	528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.6
10°-20°	177.2	10.3
20°-30°	266.0	15.5
30°-40°	313.1	18.2
40°-50°	312.3	18.2
50°-60°	268.0	15.6
60°-70°	191.9	11.2
70°-80°	101.6	5.9
80°-90°	23.8	1.4
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°	505.2	29.4
0°-40°	818.3	47.7
0°-60°	1398.6	81.5
0°-90°	1716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	650	650	653	654	655	62
15°	617	619	628	636	640	174
25°	558	563	578	592	599	257
35°	477	483	502	519	525	298
45°	383	389	406	420	428	295
55°	284	288	301	311	315	254
65°	186	187	193	201	202	184
75°	93	93	96	97	98	100
85°	20	20	19	17	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.3	655.3	655.3	655.3	655.3
2.5°	652.8	652.8	654.5	656.2	657.0
5°	650.2	650.2	652.8	654.5	655.3
7.5°	645.1	645.1	648.5	651.9	653.6
10°	637.4	639.1	643.4	648.5	650.2
12.5°	628.8	630.5	636.5	643.4	645.9
15°	616.9	619.4	628.0	636.5	639.9
17.5°	604.1	607.5	617.7	628.0	632.3
20°	590.4	593.8	606.6	618.6	623.7
22.5°	575.0	579.3	593.8	606.6	611.8
25°	557.9	563.0	577.6	592.1	598.9
27.5°	539.1	545.1	561.3	576.7	582.7
30°	519.5	526.3	542.5	558.8	564.8
32.5°	498.1	504.1	523.7	539.1	545.1
35°	476.8	482.7	501.5	518.6	524.6
37.5°	453.7	461.4	480.2	495.6	501.5
40°	429.8	437.5	455.4	473.3	478.5
42.5°	406.7	413.5	430.6	446.9	452.0
45°	382.8	388.8	405.8	420.4	428.1
47.5°	358.0	364.0	381.1	394.7	399.0
50°	333.2	339.2	353.7	365.7	370.8
52.5°	308.4	314.4	328.1	339.2	344.3
55°	283.7	287.9	300.7	311.0	315.3
57.5°	258.9	262.3	272.6	283.7	286.2
60°	233.3	237.5	246.9	254.6	258.0
62.5°	210.2	211.9	220.4	227.3	231.5
65°	186.3	187.1	193.1	200.8	202.5
67.5°	161.5	162.3	168.3	172.6	174.3
70°	138.4	138.4	142.7	146.1	147.8
72.5°	116.2	115.3	117.9	121.3	123.0
75°	93.1	93.1	95.7	97.4	98.3
77.5°	73.5	71.8	73.5	75.2	75.2
80°	53.8	53.0	53.0	53.8	53.0
82.5°	36.7	35.9	36.7	35.0	34.2
85°	20.5	19.7	18.8	17.1	17.1
87.5°	6.8	6.0	6.0	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)