

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: P298423

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298423
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-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1818.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

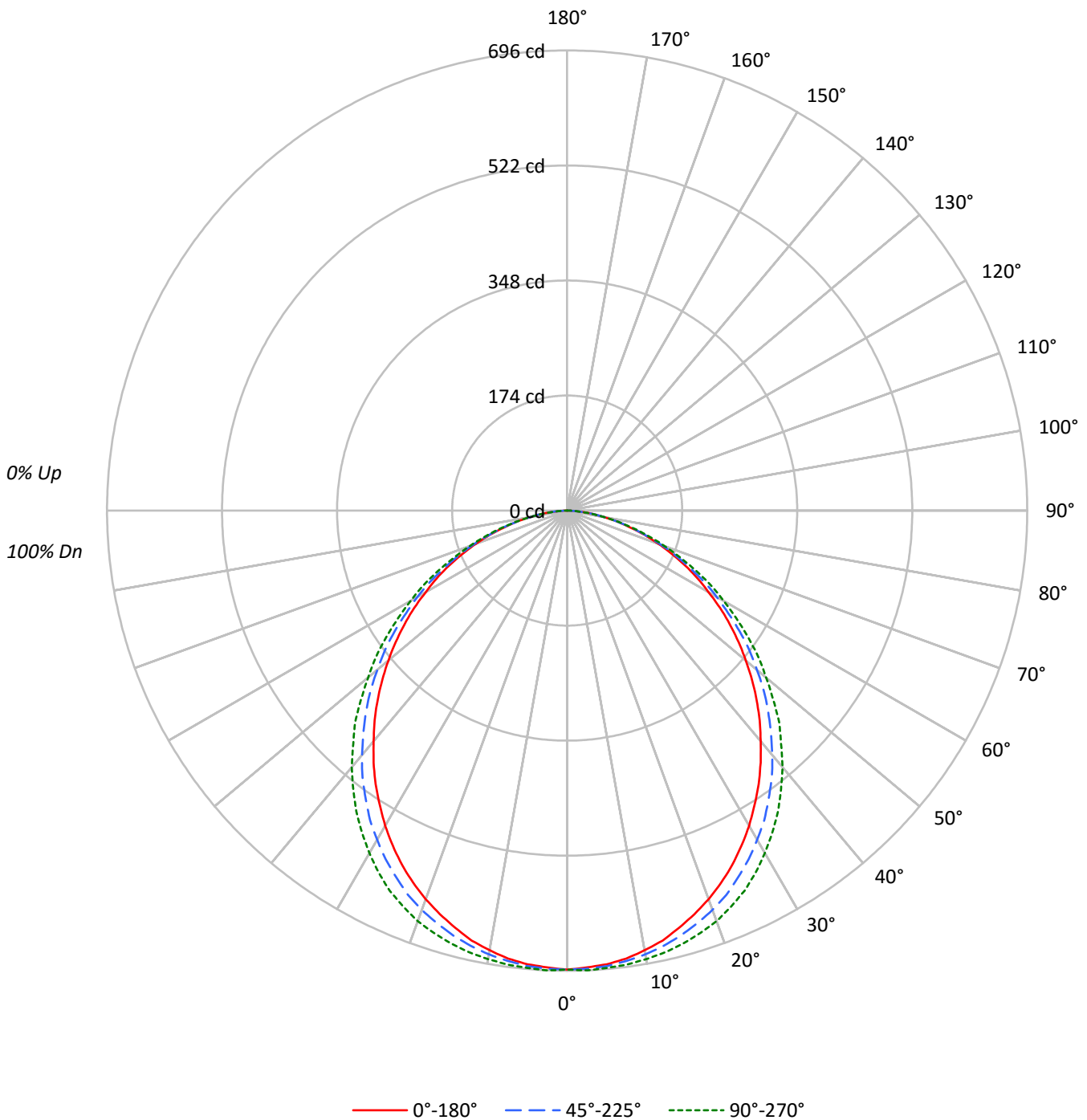
Input Watts (W): 15.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1868	1868	1868
5°	1861	1868	1875
10°	1845	1862	1882
15°	1821	1853	1889
20°	1791	1840	1892
25°	1755	1817	1884
30°	1710	1786	1859
35°	1659	1745	1826
40°	1599	1695	1781
45°	1543	1636	1726
50°	1478	1569	1645
55°	1410	1495	1567
60°	1330	1408	1471
65°	1256	1303	1366
70°	1153	1190	1232
75°	1026	1054	1082
80°	883	869	869
85°	670	614	559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	3.6
10°-20°	187.7	10.3
20°-30°	281.8	15.5
30°-40°	331.7	18.2
40°-50°	330.9	18.2
50°-60°	283.9	15.6
60°-70°	203.3	11.2
70°-80°	107.7	5.9
80°-90°	25.2	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°	535.3	29.4
0°-40°	867.0	47.7
0°-60°	1481.8	81.5
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	689	689	692	693	694	65
15°	654	656	665	674	678	184
25°	591	596	612	627	634	272
35°	505	511	531	549	556	316
45°	406	412	430	445	454	313
55°	300	305	319	330	334	269
65°	197	198	205	213	214	195
75°	99	99	101	103	104	106
85°	22	21	20	18	18	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	694.3	694.3	694.3	694.3	694.3
2.5°	691.6	691.6	693.4	695.2	696.1
5°	688.8	688.8	691.6	693.4	694.3
7.5°	683.4	683.4	687.0	690.7	692.5
10°	675.3	677.1	681.6	687.0	688.8
12.5°	666.2	668.0	674.4	681.6	684.3
15°	653.5	656.3	665.3	674.4	678.0
17.5°	640.0	643.6	654.4	665.3	669.8
20°	625.5	629.1	642.7	655.4	660.8
22.5°	609.2	613.7	629.1	642.7	648.1
25°	591.1	596.5	611.9	627.3	634.5
27.5°	571.2	577.5	594.7	611.0	617.3
30°	550.4	557.6	574.8	592.0	598.3
32.5°	527.7	534.1	554.9	571.2	577.5
35°	505.1	511.4	531.3	549.4	555.8
37.5°	480.7	488.8	508.7	525.0	531.3
40°	455.3	463.5	482.5	501.5	506.9
42.5°	430.9	438.1	456.2	473.4	478.8
45°	405.5	411.9	430.0	445.4	453.5
47.5°	379.3	385.6	403.7	418.2	422.7
50°	353.0	359.4	374.7	387.4	392.9
52.5°	326.8	333.1	347.6	359.4	364.8
55°	300.5	305.0	318.6	329.5	334.0
57.5°	274.3	277.9	288.8	300.5	303.2
60°	247.1	251.6	261.6	269.7	273.4
62.5°	222.7	224.5	233.5	240.8	245.3
65°	197.3	198.2	204.6	212.7	214.5
67.5°	171.1	172.0	178.3	182.8	184.7
70°	146.6	146.6	151.2	154.8	156.6
72.5°	123.1	122.2	124.9	128.5	130.3
75°	98.7	98.7	101.4	103.2	104.1
77.5°	77.8	76.0	77.8	79.7	79.7
80°	57.0	56.1	56.1	57.0	56.1
82.5°	38.9	38.0	38.9	37.1	36.2
85°	21.7	20.8	19.9	18.1	18.1
87.5°	7.2	6.3	6.3	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)