

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: P298102

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2371.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

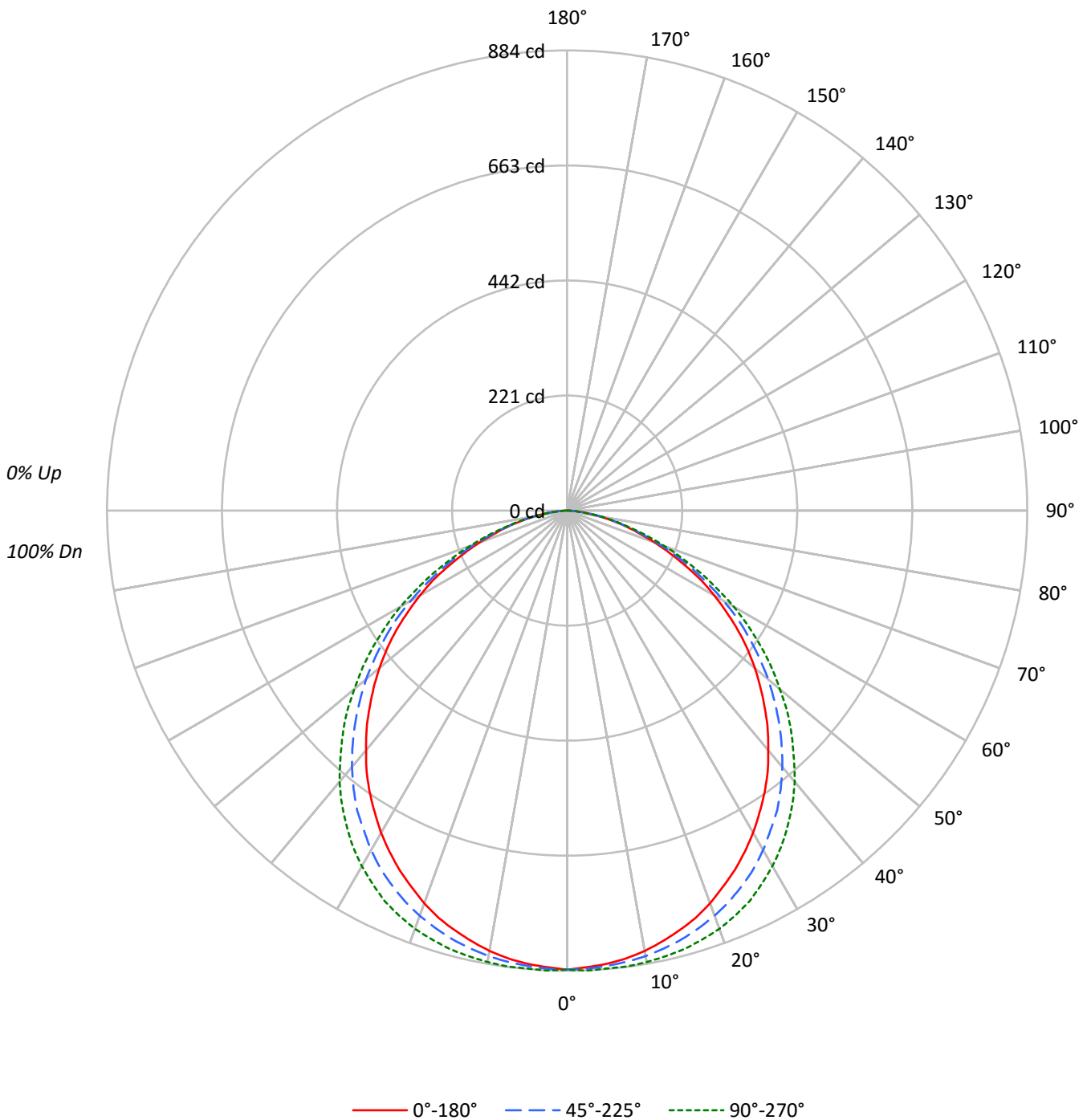
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2373	2373	2373
5°	2361	2372	2385
10°	2347	2375	2406
15°	2325	2375	2428
20°	2299	2372	2449
25°	2262	2361	2459
30°	2221	2340	2451
35°	2172	2310	2427
40°	2112	2259	2389
45°	2045	2191	2321
50°	1971	2110	2233
55°	1880	2006	2131
60°	1758	1868	1992
65°	1592	1691	1796
70°	1406	1476	1556
75°	1207	1234	1287
80°	969	989	1009
85°	710	630	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.5
10°-20°	240.7	10.2
20°-30°	366.2	15.4
30°-40°	438.1	18.5
40°-50°	442.9	18.7
50°-60°	381.1	16.1
60°-70°	263.1	11.1
70°-80°	127.6	5.4
80°-90°	27.7	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°	690.5	29.1
0°-40°	1128.6	47.6
0°-60°	1952.6	82.4
0°-90°	2371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	874	876	878	882	883	83
15°	835	840	852	865	872	235
25°	762	771	795	819	828	351
35°	661	673	703	729	739	413
45°	537	548	576	600	610	414
55°	401	407	428	447	454	357
65°	250	254	266	277	282	249
75°	116	114	119	122	124	123
85°	23	23	20	20	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.9	881.9	881.9	881.9	881.9
2.5°	878.0	878.0	880.6	883.1	884.4
5°	874.2	875.5	878.0	881.9	883.1
7.5°	867.8	869.1	874.2	880.6	883.1
10°	858.9	861.5	869.1	876.8	880.6
12.5°	847.4	852.5	861.5	871.7	876.8
15°	834.7	839.8	852.5	865.3	871.7
17.5°	820.6	825.7	841.0	857.6	864.0
20°	802.7	810.4	828.3	847.4	855.1
22.5°	782.3	792.5	813.0	833.4	842.3
25°	761.9	770.8	795.1	819.3	828.3
27.5°	738.9	749.1	775.9	800.2	809.1
30°	714.7	724.9	753.0	779.8	788.7
32.5°	687.9	700.6	727.4	755.5	765.7
35°	661.1	672.6	703.2	728.7	738.9
37.5°	633.0	643.2	673.8	700.6	710.9
40°	601.1	612.6	643.2	670.0	680.2
42.5°	570.5	582.0	610.0	635.6	644.5
45°	537.3	547.5	575.6	599.8	610.0
47.5°	504.1	515.6	539.8	564.1	574.3
50°	470.9	479.9	504.1	527.1	533.5
52.5°	436.5	444.1	465.8	486.2	495.2
55°	400.7	407.1	427.5	446.7	454.3
57.5°	362.4	370.1	389.2	403.3	412.2
60°	326.7	330.5	347.1	361.2	370.1
62.5°	291.0	292.3	305.0	319.1	324.2
65°	250.1	254.0	265.5	276.9	282.0
67.5°	213.1	217.0	225.9	234.8	238.7
70°	178.7	178.7	187.6	194.0	197.8
72.5°	144.2	145.5	151.9	155.7	159.5
75°	116.1	113.6	118.7	122.5	123.8
77.5°	86.8	85.5	89.3	90.6	93.2
80°	62.5	62.5	63.8	65.1	65.1
82.5°	40.8	40.8	42.1	39.6	38.3
85°	23.0	23.0	20.4	20.4	20.4
87.5°	7.7	7.7	7.7	8.9	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)