

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: P298438

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298438
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-31L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2563.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

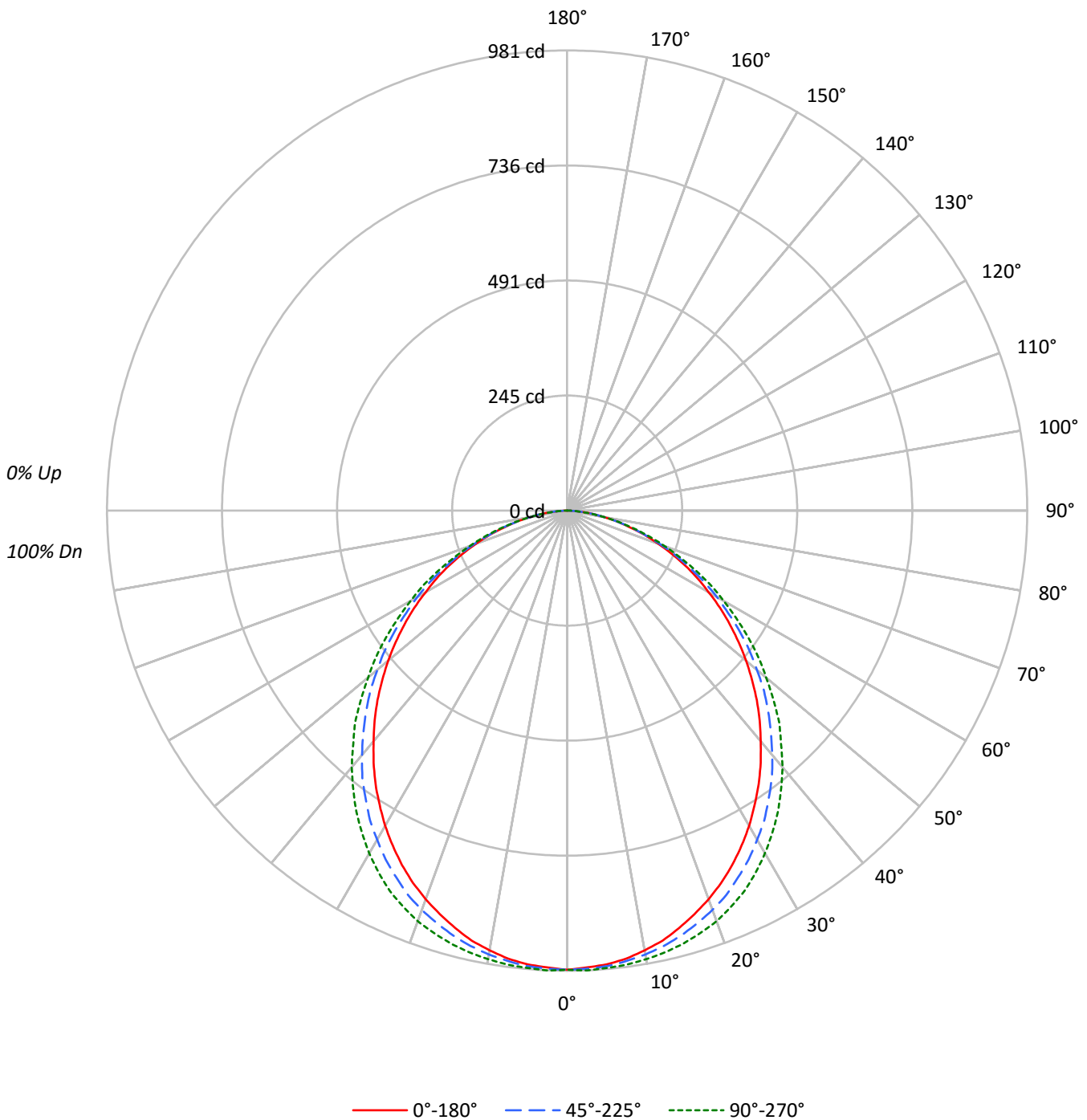
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298438

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-22-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P298438

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-22-T1-W2A-3000K

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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2634	2634	2634
5°	2623	2634	2644
10°	2601	2626	2654
15°	2567	2613	2663
20°	2525	2594	2668
25°	2474	2561	2656
30°	2411	2518	2621
35°	2339	2461	2574
40°	2255	2389	2510
45°	2176	2307	2433
50°	2084	2212	2318
55°	1988	2107	2209
60°	1875	1985	2074
65°	1771	1836	1926
70°	1626	1677	1737
75°	1446	1486	1526
80°	1246	1226	1226
85°	945	868	787



TEST NUMBER: P298438

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-22-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	3.6
10°-20°	264.6	10.3
20°-30°	397.4	15.5
30°-40°	467.7	18.2
40°-50°	466.5	18.2
50°-60°	400.3	15.6
60°-70°	286.7	11.2
70°-80°	151.8	5.9
80°-90°	35.5	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°	754.6	29.4
0°-40°	1222.3	47.7
0°-60°	2089.0	81.5
0°-90°	2563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	971	971	975	978	979	92
15°	921	925	938	951	956	260
25°	833	841	863	884	895	383
35°	712	721	749	775	784	445
45°	572	581	606	628	639	441
55°	424	430	449	464	471	379
65°	278	280	288	300	302	275
75°	139	139	143	146	147	149
85°	31	29	28	26	26	37
90°	0	0	0	0	0	



TEST NUMBER: P298438

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-22-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.8	978.8	978.8	978.8	978.8
2.5°	975.0	975.0	977.5	980.1	981.3
5°	971.1	971.1	975.0	977.5	978.8
7.5°	963.5	963.5	968.6	973.7	976.2
10°	952.0	954.5	960.9	968.6	971.1
12.5°	939.2	941.8	950.7	960.9	964.7
15°	921.4	925.2	938.0	950.7	955.8
17.5°	902.2	907.3	922.6	938.0	944.3
20°	881.8	886.9	906.0	923.9	931.6
22.5°	858.8	865.2	886.9	906.0	913.7
25°	833.3	841.0	862.7	884.4	894.6
27.5°	805.2	814.2	838.4	861.4	870.3
30°	775.9	786.1	810.3	834.6	843.5
32.5°	744.0	752.9	782.3	805.2	814.2
35°	712.1	721.0	749.1	774.6	783.5
37.5°	677.6	689.1	717.2	740.2	749.1
40°	641.9	653.4	680.2	707.0	714.6
42.5°	607.4	617.6	643.2	667.4	675.1
45°	571.7	580.6	606.2	627.9	639.3
47.5°	534.7	543.6	569.2	589.6	595.9
50°	497.7	506.6	528.3	546.2	553.8
52.5°	460.7	469.6	490.0	506.6	514.3
55°	423.7	430.1	449.2	464.5	470.9
57.5°	386.7	391.8	407.1	423.7	427.5
60°	348.4	354.8	368.8	380.3	385.4
62.5°	313.9	316.5	329.2	339.4	345.8
65°	278.2	279.5	288.4	299.9	302.4
67.5°	241.2	242.5	251.4	257.8	260.3
70°	206.7	206.7	213.1	218.2	220.8
72.5°	173.6	172.3	176.1	181.2	183.8
75°	139.1	139.1	142.9	145.5	146.8
77.5°	109.7	107.2	109.7	112.3	112.3
80°	80.4	79.1	79.1	80.4	79.1
82.5°	54.9	53.6	54.9	52.3	51.0
85°	30.6	29.4	28.1	25.5	25.5
87.5°	10.2	8.9	8.9	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)