

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: P297187

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2767.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

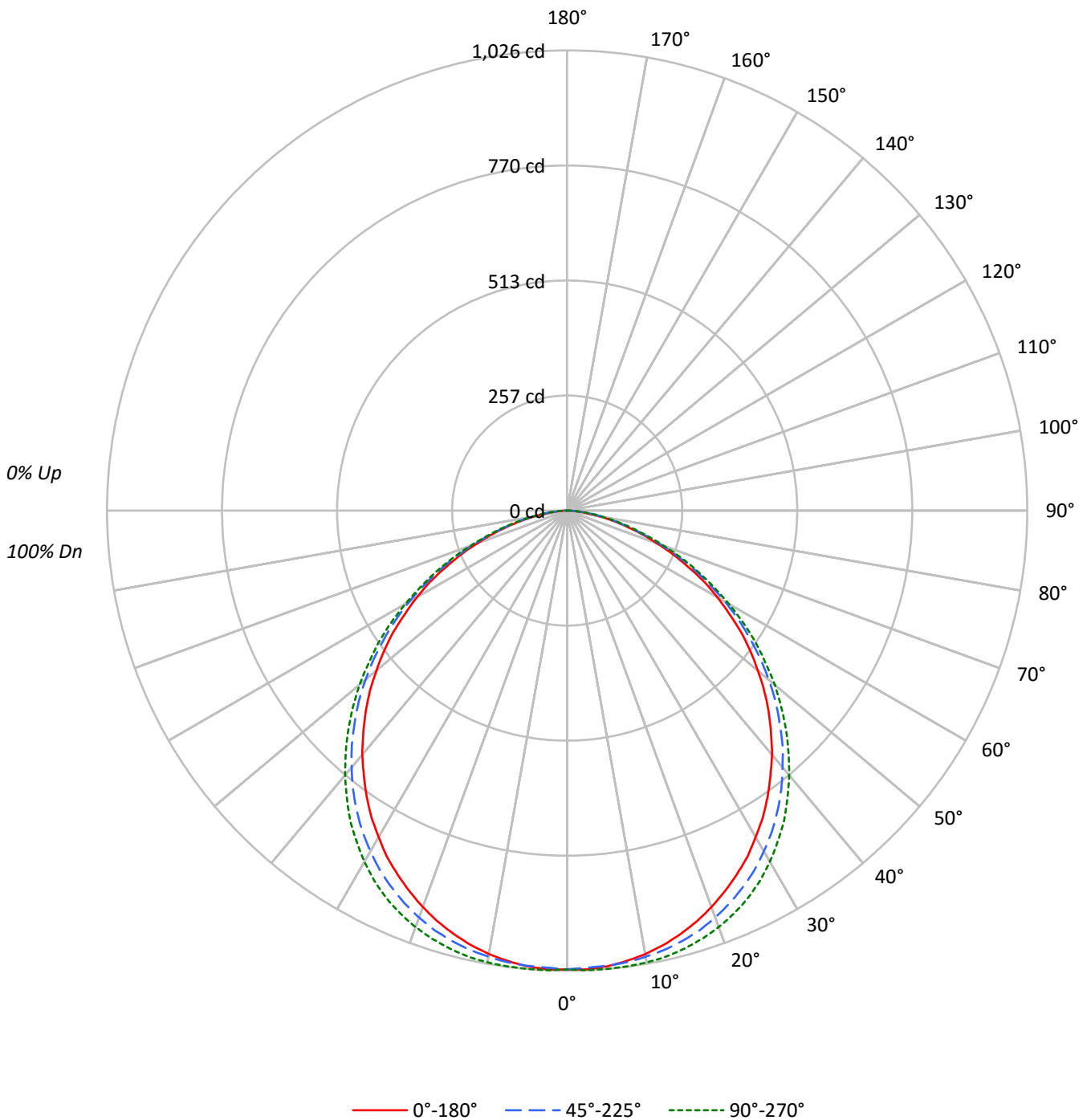
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	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	47	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	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1376	1376	1376
5°	1378	1376	1386
10°	1372	1380	1398
15°	1361	1383	1408
20°	1347	1382	1415
25°	1329	1376	1416
30°	1306	1363	1404
35°	1280	1343	1385
40°	1248	1313	1353
45°	1209	1275	1313
50°	1162	1228	1266
55°	1111	1167	1204
60°	1040	1094	1120
65°	950	1000	1025
70°	834	877	901
75°	706	742	768
80°	561	614	630
85°	383	459	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	3.5
10°-20°	280.6	10.1
20°-30°	426.4	15.4
30°-40°	508.8	18.4
40°-50°	513.9	18.6
50°-60°	442.8	16.0
60°-70°	308.6	11.2
70°-80°	153.0	5.5
80°-90°	35.7	1.3
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°	804.2	29.1
0°-40°	1313.1	47.5
0°-60°	2269.7	82.0
0°-90°	2767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1023	1023	1023	1023	1023	
5°	1020	1019	1019	1024	1026	97
15°	977	982	993	1006	1011	276
25°	895	907	927	946	954	412
35°	779	792	818	837	844	487
45°	635	649	670	686	690	490
55°	474	484	498	510	513	422
65°	298	304	314	317	322	296
75°	136	138	143	146	148	146
85°	25	30	30	28	29	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.9	1022.9	1022.9	1022.9	1022.9
2.5°	1023.9	1021.9	1019.9	1023.9	1025.9
5°	1019.9	1018.9	1018.9	1023.9	1025.9
7.5°	1013.0	1013.0	1016.0	1022.9	1024.9
10°	1004.1	1006.1	1010.0	1019.9	1022.9
12.5°	992.2	996.1	1003.1	1015.0	1018.9
15°	977.3	982.3	993.2	1006.1	1011.0
17.5°	960.5	967.4	981.3	996.1	1001.1
20°	940.6	949.6	965.4	982.3	988.2
22.5°	918.8	929.7	947.6	965.4	972.4
25°	895.0	906.9	926.8	945.6	953.5
27.5°	870.3	882.2	904.0	922.8	930.7
30°	840.5	854.4	877.2	897.0	904.0
32.5°	811.8	825.7	849.4	867.3	874.2
35°	779.1	792.0	817.7	836.6	843.5
37.5°	744.4	759.2	784.0	800.9	806.8
40°	710.7	723.6	747.4	764.2	770.1
42.5°	673.0	686.9	710.7	725.5	730.5
45°	635.3	649.2	670.0	685.9	689.9
47.5°	596.7	609.6	630.4	643.3	647.2
50°	555.1	567.0	586.8	599.7	604.6
52.5°	515.4	526.3	543.2	554.1	557.0
55°	473.8	483.7	497.6	509.5	513.4
57.5°	429.2	440.1	453.0	462.9	465.9
60°	386.6	395.5	406.4	415.3	416.3
62.5°	344.9	348.9	358.8	366.7	367.7
65°	298.3	304.3	314.2	317.2	322.1
67.5°	255.7	259.7	267.6	271.6	275.5
70°	212.1	215.1	223.0	228.0	229.0
72.5°	174.4	175.4	181.4	185.4	186.3
75°	135.8	137.8	142.7	145.7	147.7
77.5°	103.1	105.1	109.0	111.0	111.0
80°	72.4	75.3	79.3	80.3	81.3
82.5°	46.6	50.6	53.5	54.5	52.5
85°	24.8	29.7	29.7	27.8	28.7
87.5°	8.9	10.9	11.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)