

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: P297668

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
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-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2781.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

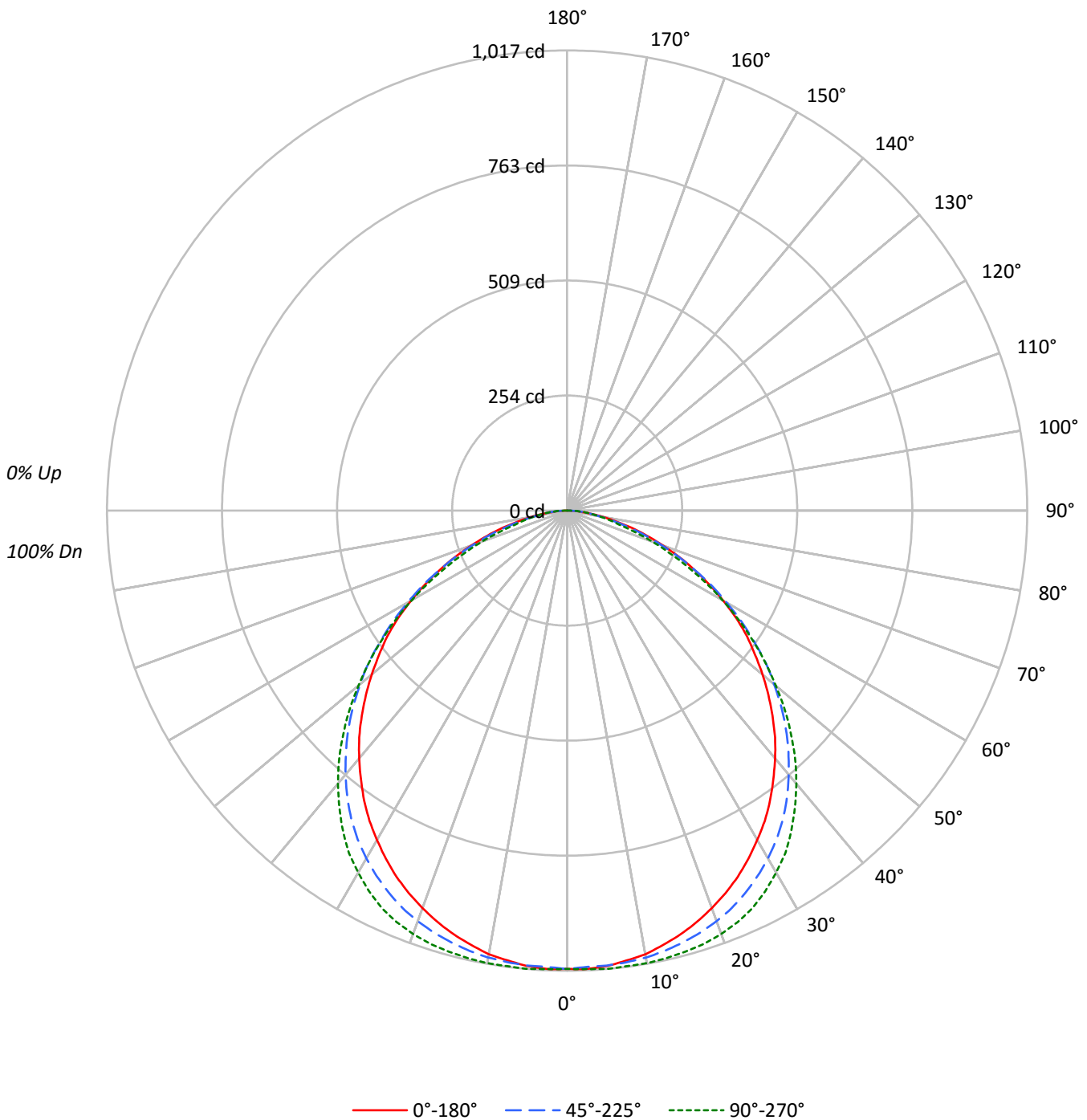
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2726	2726	2726
5°	2730	2726	2746
10°	2720	2741	2775
15°	2701	2753	2812
20°	2677	2766	2851
25°	2650	2768	2879
30°	2611	2758	2870
35°	2569	2732	2838
40°	2512	2677	2769
45°	2442	2603	2664
50°	2359	2500	2521
55°	2277	2365	2353
60°	2145	2192	2138
65°	1976	1984	1873
70°	1768	1729	1573
75°	1536	1433	1213
80°	1230	1116	1116
85°	883	1034	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	3.5
10°-20°	279.6	10.1
20°-30°	429.3	15.4
30°-40°	517.1	18.6
40°-50°	522.6	18.8
50°-60°	445.7	16.0
60°-70°	305.1	11.0
70°-80°	147.2	5.3
80°-90°	37.9	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°	805.3	29.0
0°-40°	1322.4	47.6
0°-60°	2290.7	82.4
0°-90°	2781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1013	1013	1013	1013	1013	
5°	1010	1010	1009	1016	1017	96
15°	970	977	988	1006	1009	273
25°	893	906	932	960	970	411
35°	782	800	832	858	864	489
45°	642	659	684	700	700	495
55°	485	494	504	506	502	432
65°	310	314	312	300	294	308
75°	148	148	138	122	117	157
85°	29	31	34	35	35	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1013.0	1013.0	1013.0	1013.0	1013.0
2.5°	1014.2	1013.0	1009.2	1014.2	1014.2
5°	1010.5	1010.5	1009.2	1015.5	1016.7
7.5°	1003.0	1005.5	1006.8	1014.2	1015.5
10°	995.6	998.1	1003.0	1013.0	1015.5
12.5°	983.2	988.1	996.8	1010.5	1013.0
15°	969.5	977.0	988.1	1005.5	1009.2
17.5°	953.4	963.3	978.2	998.1	1004.3
20°	934.8	945.9	965.8	988.1	995.6
22.5°	914.9	927.3	950.9	977.0	984.4
25°	892.6	906.2	932.3	959.6	969.5
27.5°	867.7	882.6	911.2	939.7	948.4
30°	840.4	856.6	887.6	916.1	923.6
32.5°	813.1	829.2	861.5	888.8	897.5
35°	782.1	799.5	831.7	857.8	864.0
37.5°	748.6	765.9	798.2	824.3	826.8
40°	715.0	732.4	762.2	785.8	788.3
42.5°	680.3	696.4	723.7	743.6	746.1
45°	641.8	659.2	684.0	700.1	700.1
47.5°	603.3	620.7	641.8	653.0	653.0
50°	563.6	579.7	597.1	603.3	602.1
52.5°	523.9	538.8	553.7	554.9	552.4
55°	485.4	494.1	504.0	506.5	501.5
57.5°	443.2	450.6	456.8	453.1	449.4
60°	398.5	405.9	407.2	401.0	397.2
62.5°	355.0	361.2	361.2	351.3	345.1
65°	310.3	314.1	311.6	300.4	294.2
67.5°	268.1	270.6	265.7	254.5	244.6
70°	224.7	225.9	219.7	206.1	199.9
72.5°	185.0	186.2	178.8	162.6	155.2
75°	147.7	147.7	137.8	121.7	116.7
77.5°	110.5	114.2	103.0	94.3	94.3
80°	79.4	83.2	72.0	73.2	72.0
82.5°	52.1	55.9	52.1	52.1	52.1
85°	28.6	31.0	33.5	34.8	34.8
87.5°	8.7	14.9	16.1	17.4	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)