

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: P297673

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297673
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-35L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2896.0 lumens
Efficiency: N/A
Efficacy: 85.9 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

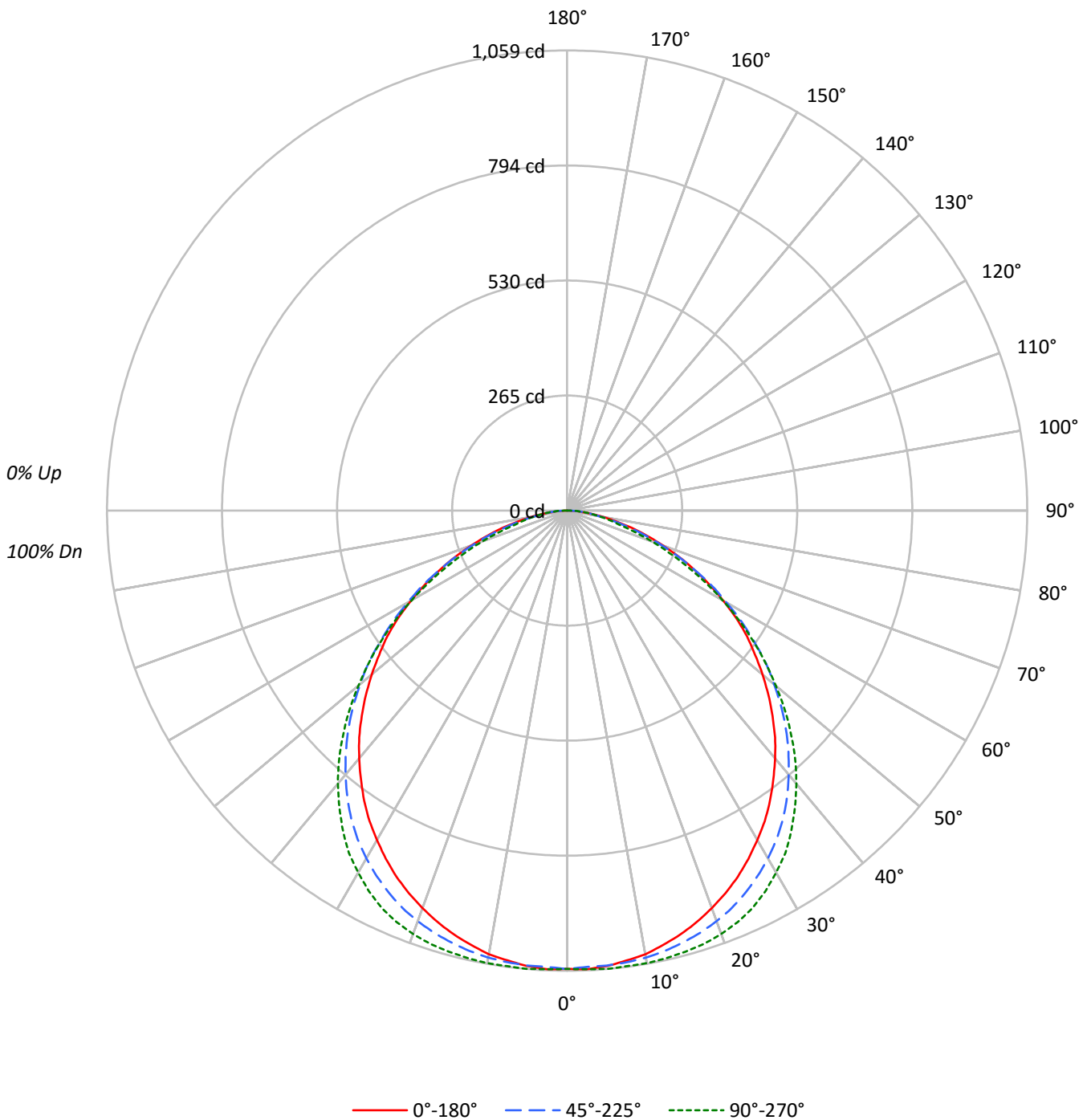
Input Watts (W): 33.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2839	2839	2839
5°	2843	2839	2860
10°	2833	2854	2889
15°	2813	2867	2928
20°	2788	2880	2969
25°	2760	2882	2998
30°	2719	2872	2989
35°	2675	2845	2956
40°	2616	2788	2884
45°	2543	2711	2775
50°	2457	2603	2625
55°	2372	2462	2450
60°	2234	2282	2227
65°	2058	2066	1951
70°	1841	1800	1637
75°	1599	1492	1263
80°	1282	1162	1162
85°	917	1078	1118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	3.5
10°-20°	291.2	10.1
20°-30°	447.1	15.4
30°-40°	538.5	18.6
40°-50°	544.2	18.8
50°-60°	464.1	16.0
60°-70°	317.7	11.0
70°-80°	153.3	5.3
80°-90°	39.5	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°	838.6	29.0
0°-40°	1377.1	47.6
0°-60°	2385.4	82.4
0°-90°	2896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	1052	1052	1051	1057	1059	100
15°	1010	1017	1029	1047	1051	285
25°	930	944	971	999	1010	428
35°	814	832	866	893	900	509
45°	668	686	712	729	729	515
55°	506	514	525	527	522	450
65°	323	327	324	313	306	321
75°	154	154	144	127	122	163
85°	30	32	35	36	36	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1054.9	1054.9	1054.9	1054.9	1054.9
2.5°	1056.2	1054.9	1051.0	1056.2	1056.2
5°	1052.3	1052.3	1051.0	1057.4	1058.7
7.5°	1044.5	1047.1	1048.4	1056.2	1057.4
10°	1036.8	1039.3	1044.5	1054.9	1057.4
12.5°	1023.8	1029.0	1038.1	1052.3	1054.9
15°	1009.6	1017.4	1029.0	1047.1	1051.0
17.5°	992.8	1003.1	1018.7	1039.3	1045.8
20°	973.4	985.1	1005.7	1029.0	1036.8
22.5°	952.7	965.7	990.2	1017.4	1025.1
25°	929.5	943.7	970.8	999.3	1009.6
27.5°	903.6	919.1	948.9	978.6	987.6
30°	875.2	892.0	924.3	954.0	961.8
32.5°	846.7	863.5	897.1	925.6	934.6
35°	814.4	832.5	866.1	893.3	899.7
37.5°	779.5	797.6	831.2	858.4	860.9
40°	744.6	762.7	793.7	818.3	820.9
42.5°	708.4	725.2	753.7	774.3	776.9
45°	668.3	686.4	712.3	729.1	729.1
47.5°	628.3	646.4	668.3	680.0	680.0
50°	586.9	603.7	621.8	628.3	627.0
52.5°	545.5	561.0	576.6	577.8	575.3
55°	505.5	514.5	524.8	527.4	522.3
57.5°	461.5	469.3	475.7	471.8	468.0
60°	415.0	422.7	424.0	417.5	413.7
62.5°	369.7	376.2	376.2	365.8	359.4
65°	323.2	327.1	324.5	312.8	306.4
67.5°	279.2	281.8	276.6	265.0	254.7
70°	234.0	235.3	228.8	214.6	208.1
72.5°	192.6	193.9	186.2	169.3	161.6
75°	153.8	153.8	143.5	126.7	121.5
77.5°	115.1	118.9	107.3	98.2	98.2
80°	82.7	86.6	75.0	76.3	75.0
82.5°	54.3	58.2	54.3	54.3	54.3
85°	29.7	32.3	34.9	36.2	36.2
87.5°	9.0	15.5	16.8	18.1	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)