

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: P297672

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297672
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-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2758.0 lumens
Efficiency: N/A
Efficacy: 82.8 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

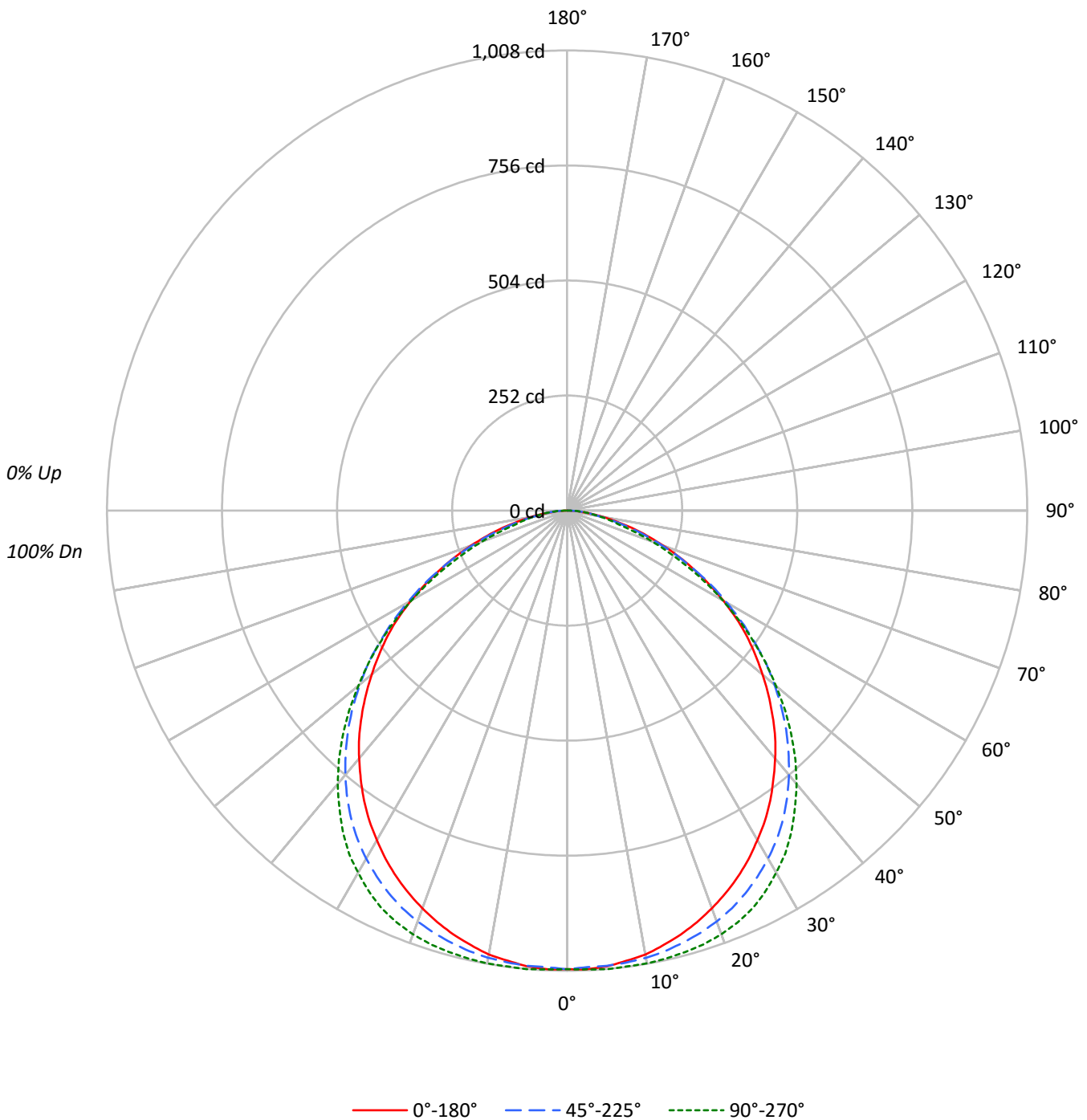
Input Watts (W): 33.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2703	2703	2703
5°	2707	2704	2724
10°	2698	2718	2752
15°	2679	2730	2788
20°	2655	2743	2828
25°	2628	2745	2855
30°	2590	2735	2846
35°	2548	2710	2815
40°	2491	2655	2746
45°	2422	2581	2642
50°	2340	2479	2500
55°	2259	2345	2334
60°	2127	2173	2120
65°	1960	1968	1858
70°	1753	1714	1559
75°	1523	1421	1203
80°	1221	1106	1106
85°	874	1025	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.5
10°-20°	277.3	10.1
20°-30°	425.8	15.4
30°-40°	512.8	18.6
40°-50°	518.2	18.8
50°-60°	442.0	16.0
60°-70°	302.6	11.0
70°-80°	146.0	5.3
80°-90°	37.6	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°	798.7	29.0
0°-40°	1311.5	47.6
0°-60°	2271.8	82.4
0°-90°	2758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1005	1005	1005	1005	1005	
5°	1002	1002	1001	1007	1008	95
15°	962	969	980	997	1001	271
25°	885	899	925	952	962	408
35°	776	793	825	851	857	485
45°	636	654	678	694	694	491
55°	481	490	500	502	497	429
65°	308	312	309	298	292	305
75°	146	146	137	121	116	156
85°	28	31	33	34	34	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.6	1004.6	1004.6	1004.6	1004.6
2.5°	1005.8	1004.6	1000.9	1005.8	1005.8
5°	1002.1	1002.1	1000.9	1007.1	1008.3
7.5°	994.7	997.2	998.4	1005.8	1007.1
10°	987.4	989.8	994.7	1004.6	1007.1
12.5°	975.0	980.0	988.6	1002.1	1004.6
15°	961.5	968.9	980.0	997.2	1000.9
17.5°	945.5	955.3	970.1	989.8	996.0
20°	927.0	938.1	957.8	980.0	987.4
22.5°	907.3	919.6	943.0	968.9	976.3
25°	885.2	898.7	924.6	951.7	961.5
27.5°	860.6	875.3	903.6	932.0	940.6
30°	833.5	849.5	880.2	908.6	916.0
32.5°	806.4	822.4	854.4	881.5	890.1
35°	775.6	792.8	824.8	850.7	856.9
37.5°	742.4	759.6	791.6	817.5	819.9
40°	709.1	726.4	755.9	779.3	781.8
42.5°	674.7	690.7	717.7	737.4	739.9
45°	636.5	653.7	678.3	694.3	694.3
47.5°	598.3	615.6	636.5	647.6	647.6
50°	558.9	574.9	592.2	598.3	597.1
52.5°	519.5	534.3	549.1	550.3	547.8
55°	481.4	490.0	499.8	502.3	497.4
57.5°	439.5	446.9	453.1	449.4	445.7
60°	395.2	402.6	403.8	397.7	394.0
62.5°	352.1	358.3	358.3	348.4	342.3
65°	307.8	311.5	309.0	297.9	291.8
67.5°	265.9	268.4	263.5	252.4	242.5
70°	222.8	224.1	217.9	204.4	198.2
72.5°	183.4	184.7	177.3	161.3	153.9
75°	146.5	146.5	136.7	120.6	115.7
77.5°	109.6	113.3	102.2	93.6	93.6
80°	78.8	82.5	71.4	72.6	71.4
82.5°	51.7	55.4	51.7	51.7	51.7
85°	28.3	30.8	33.2	34.5	34.5
87.5°	8.6	14.8	16.0	17.2	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)