

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: P297683

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297683
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-40L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3402.0 lumens
Efficiency: N/A
Efficacy: 85.3 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

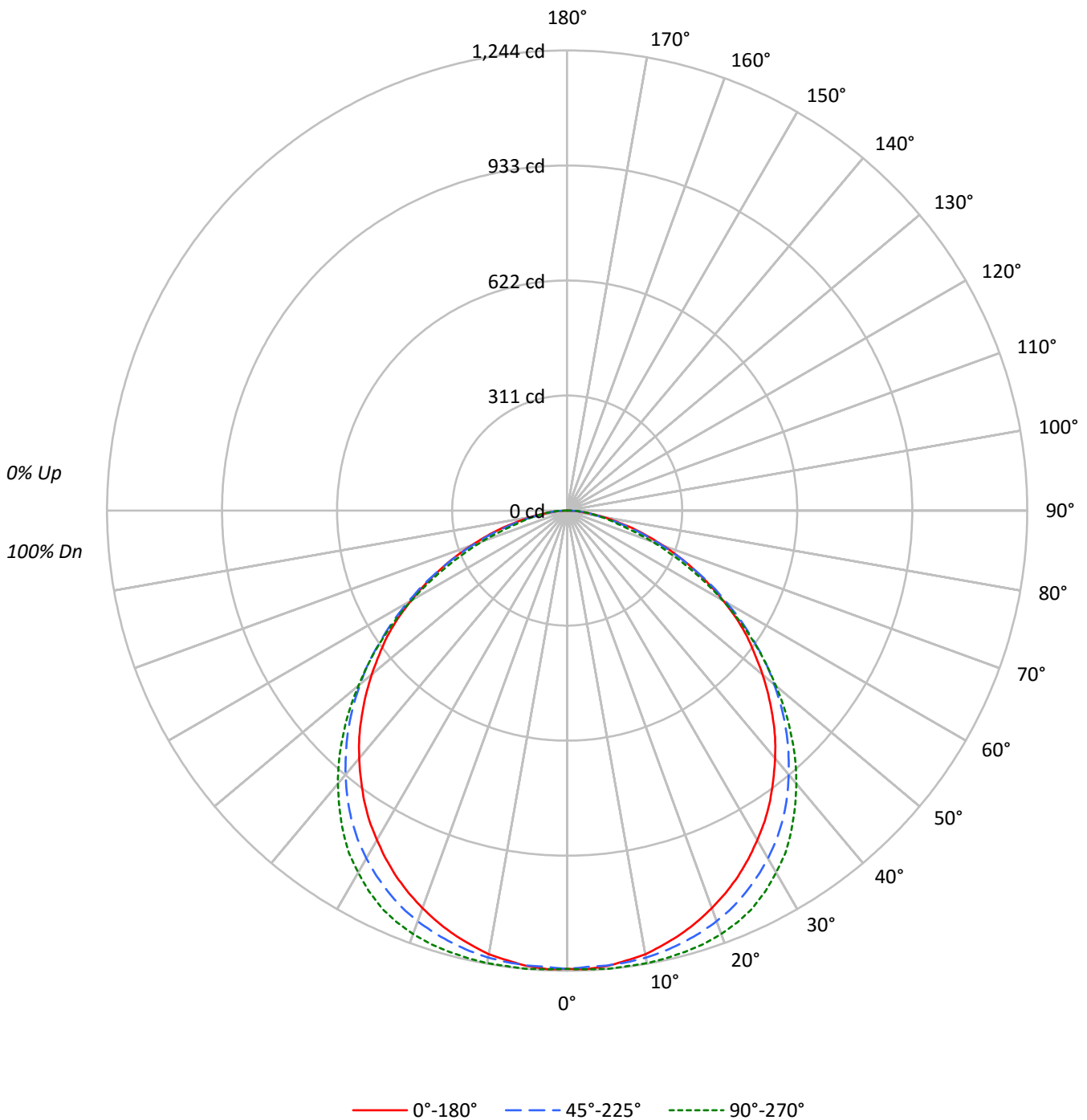
Input Watts (W): 39.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3335	3335	3335
5°	3339	3335	3360
10°	3328	3353	3394
15°	3304	3368	3439
20°	3275	3383	3488
25°	3242	3386	3521
30°	3195	3374	3511
35°	3143	3343	3472
40°	3073	3275	3387
45°	2988	3184	3260
50°	2886	3058	3083
55°	2786	2892	2878
60°	2624	2681	2615
65°	2417	2427	2292
70°	2163	2115	1924
75°	1879	1753	1484
80°	1506	1365	1365
85°	1078	1266	1312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.5
10°-20°	342.1	10.1
20°-30°	525.2	15.4
30°-40°	632.6	18.6
40°-50°	639.2	18.8
50°-60°	545.2	16.0
60°-70°	373.3	11.0
70°-80°	180.1	5.3
80°-90°	46.4	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°	985.2	29.0
0°-40°	1617.7	47.6
0°-60°	2802.2	82.4
0°-90°	3402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1236	1236	1235	1242	1244	117
15°	1186	1195	1209	1230	1235	335
25°	1092	1109	1140	1174	1186	503
35°	957	978	1018	1049	1057	598
45°	785	806	837	856	856	605
55°	594	604	616	620	614	529
65°	380	384	381	368	360	377
75°	181	181	169	149	143	192
85°	35	38	41	42	42	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.2	1239.2	1239.2	1239.2	1239.2
2.5°	1240.7	1239.2	1234.6	1240.7	1240.7
5°	1236.1	1236.1	1234.6	1242.2	1243.7
7.5°	1227.0	1230.1	1231.6	1240.7	1242.2
10°	1217.9	1220.9	1227.0	1239.2	1242.2
12.5°	1202.7	1208.8	1219.4	1236.1	1239.2
15°	1186.0	1195.1	1208.8	1230.1	1234.6
17.5°	1166.3	1178.4	1196.6	1220.9	1228.5
20°	1143.5	1157.2	1181.5	1208.8	1217.9
22.5°	1119.2	1134.4	1163.2	1195.1	1204.2
25°	1091.9	1108.6	1140.5	1173.9	1186.0
27.5°	1061.5	1079.7	1114.6	1149.6	1160.2
30°	1028.1	1047.8	1085.8	1120.7	1129.8
32.5°	994.7	1014.4	1053.9	1087.3	1097.9
35°	956.7	978.0	1017.5	1049.3	1056.9
37.5°	915.7	937.0	976.5	1008.3	1011.4
40°	874.7	896.0	932.4	961.3	964.3
42.5°	832.2	851.9	885.3	909.6	912.7
45°	785.1	806.4	836.7	856.5	856.5
47.5°	738.0	759.3	785.1	798.8	798.8
50°	689.4	709.2	730.4	738.0	736.5
52.5°	640.8	659.1	677.3	678.8	675.8
55°	593.8	604.4	616.5	619.6	613.5
57.5°	542.1	551.2	558.8	554.3	549.7
60°	487.5	496.6	498.1	490.5	485.9
62.5°	434.3	441.9	441.9	429.8	422.2
65°	379.6	384.2	381.2	367.5	359.9
67.5°	328.0	331.1	325.0	311.3	299.2
70°	274.9	276.4	268.8	252.1	244.5
72.5°	226.3	227.8	218.7	198.9	189.8
75°	180.7	180.7	168.6	148.8	142.7
77.5°	135.2	139.7	126.0	115.4	115.4
80°	97.2	101.7	88.1	89.6	88.1
82.5°	63.8	68.3	63.8	63.8	63.8
85°	34.9	38.0	41.0	42.5	42.5
87.5°	10.6	18.2	19.7	21.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)