

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: P298125

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
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-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3478.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

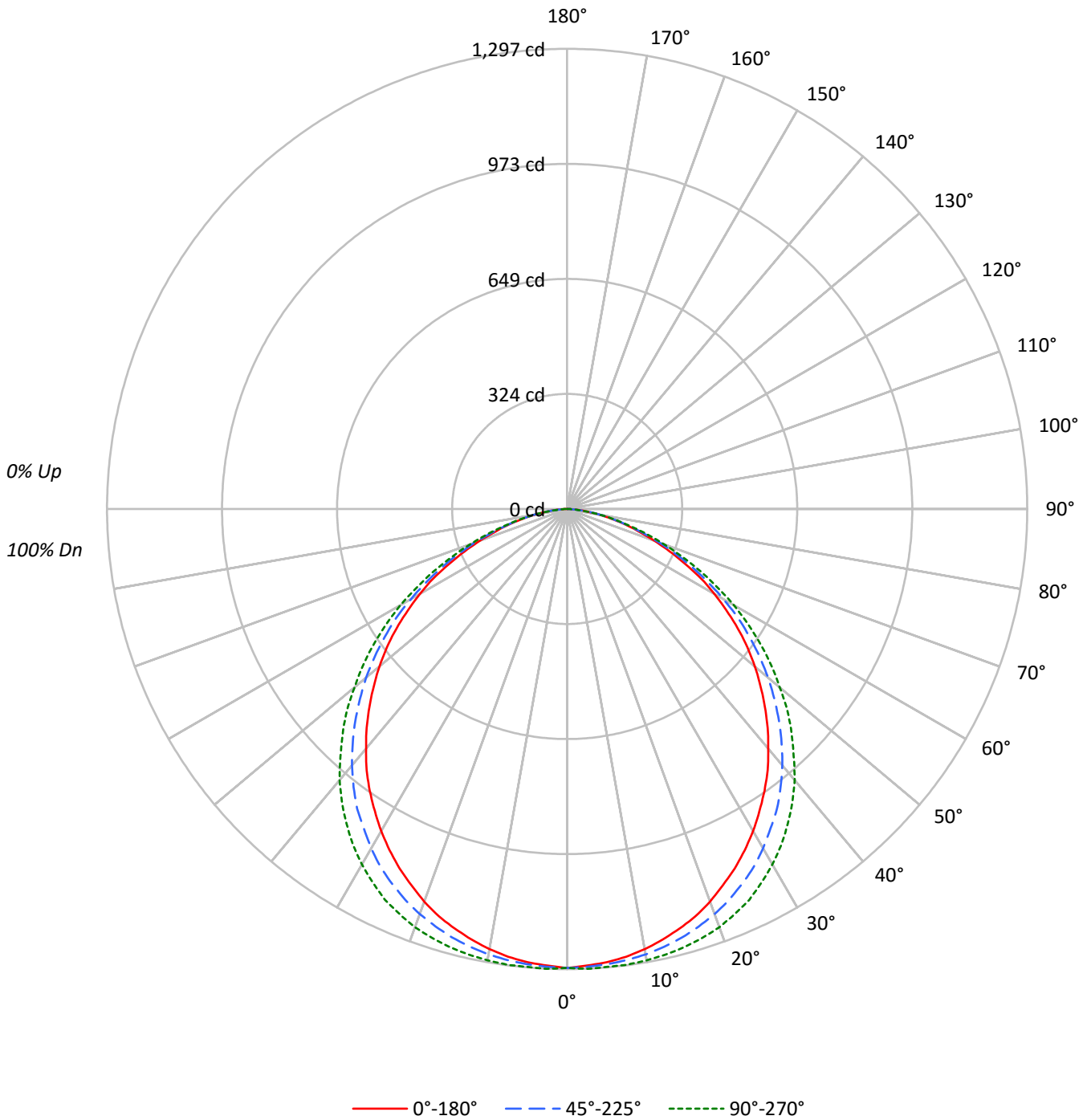
Input Watts (W): 33
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3481	3481	3481
5°	3464	3479	3499
10°	3443	3484	3530
15°	3411	3484	3562
20°	3372	3479	3592
25°	3318	3463	3608
30°	3258	3432	3595
35°	3186	3389	3561
40°	3098	3314	3505
45°	2999	3213	3406
50°	2892	3096	3276
55°	2758	2942	3127
60°	2580	2740	2922
65°	2336	2479	2634
70°	2062	2165	2283
75°	1772	1810	1888
80°	1421	1450	1480
85°	1041	926	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	3.5
10°-20°	353.1	10.2
20°-30°	537.1	15.4
30°-40°	642.6	18.5
40°-50°	649.7	18.7
50°-60°	559.1	16.1
60°-70°	386.0	11.1
70°-80°	187.2	5.4
80°-90°	40.6	1.2
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°	1012.8	29.1
0°-40°	1655.5	47.6
0°-60°	2864.3	82.4
0°-90°	3478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1282	1284	1288	1294	1296	122
15°	1224	1232	1251	1269	1279	345
25°	1118	1131	1166	1202	1215	515
35°	970	987	1032	1069	1084	606
45°	788	803	844	880	895	608
55°	588	597	627	655	666	524
65°	367	372	389	406	414	365
75°	170	167	174	180	182	181
85°	34	34	30	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1288.0	1288.0	1291.7	1295.5	1297.4
5°	1282.4	1284.3	1288.0	1293.6	1295.5
7.5°	1273.0	1274.9	1282.4	1291.7	1295.5
10°	1259.9	1263.7	1274.9	1286.1	1291.7
12.5°	1243.1	1250.6	1263.7	1278.6	1286.1
15°	1224.3	1231.8	1250.6	1269.3	1278.6
17.5°	1203.8	1211.2	1233.7	1258.0	1267.4
20°	1177.5	1188.8	1215.0	1243.1	1254.3
22.5°	1147.6	1162.6	1192.5	1222.5	1235.6
25°	1117.6	1130.7	1166.3	1201.9	1215.0
27.5°	1083.9	1098.9	1138.2	1173.8	1186.9
30°	1048.4	1063.3	1104.5	1143.8	1156.9
32.5°	1009.1	1027.8	1067.1	1108.3	1123.3
35°	969.7	986.6	1031.5	1069.0	1083.9
37.5°	928.6	943.5	988.5	1027.8	1042.8
40°	881.8	898.6	943.5	982.8	997.8
42.5°	836.8	853.7	894.9	932.3	945.4
45°	788.1	803.1	844.3	879.9	894.9
47.5°	739.5	756.3	791.9	827.5	842.4
50°	690.8	703.9	739.5	773.2	782.5
52.5°	640.3	651.5	683.3	713.3	726.4
55°	587.8	597.2	627.1	655.2	666.5
57.5°	531.7	542.9	571.0	591.6	604.7
60°	479.3	484.9	509.2	529.8	542.9
62.5°	426.8	428.7	447.4	468.0	475.5
65°	366.9	372.5	389.4	406.2	413.7
67.5°	312.6	318.3	331.4	344.5	350.1
70°	262.1	262.1	275.2	284.6	290.2
72.5°	211.5	213.4	222.8	228.4	234.0
75°	170.4	166.6	174.1	179.7	181.6
77.5°	127.3	125.4	131.0	132.9	136.7
80°	91.7	91.7	93.6	95.5	95.5
82.5°	59.9	59.9	61.8	58.0	56.2
85°	33.7	33.7	30.0	30.0	30.0
87.5°	11.2	11.2	11.2	13.1	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)