

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: P298465

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-44L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3573.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

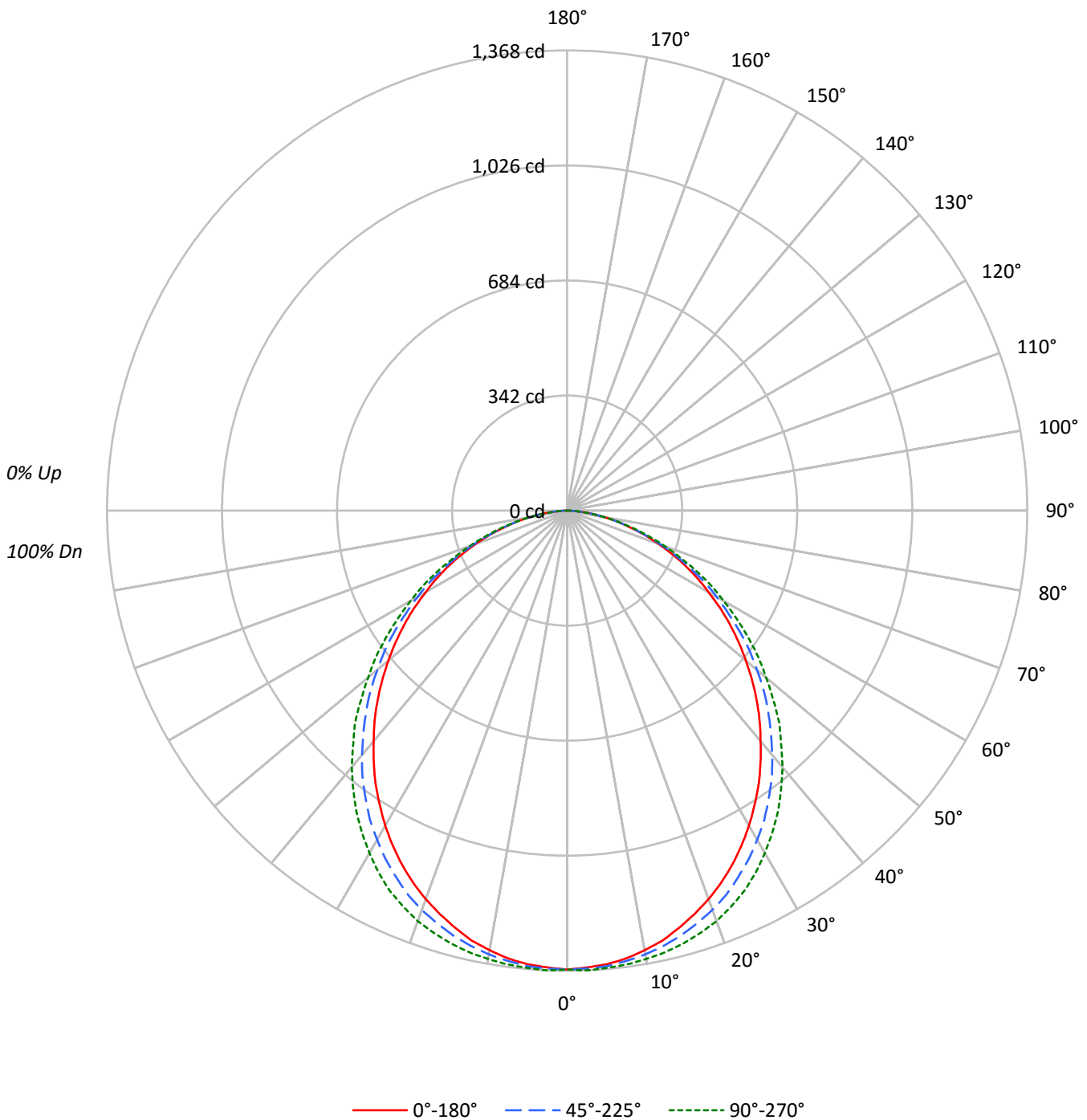
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3672	3672	3672
5°	3657	3672	3686
10°	3626	3660	3699
15°	3578	3643	3712
20°	3520	3617	3719
25°	3449	3571	3703
30°	3361	3510	3654
35°	3261	3431	3588
40°	3143	3331	3499
45°	3033	3216	3392
50°	2905	3083	3232
55°	2771	2938	3080
60°	2614	2767	2892
65°	2469	2560	2684
70°	2268	2338	2422
75°	2016	2071	2127
80°	1737	1709	1709
85°	1318	1207	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.1	3.6
10°-20°	368.9	10.3
20°-30°	553.9	15.5
30°-40°	651.9	18.2
40°-50°	650.3	18.2
50°-60°	558.0	15.6
60°-70°	399.7	11.2
70°-80°	211.7	5.9
80°-90°	49.5	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°	1052.0	29.4
0°-40°	1703.9	47.7
0°-60°	2912.2	81.5
0°-90°	3573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1364	1364	1364	1364	1364	
5°	1354	1354	1359	1363	1364	128
15°	1284	1290	1308	1325	1332	362
25°	1162	1172	1203	1233	1247	535
35°	993	1005	1044	1080	1092	620
45°	797	809	845	875	891	614
55°	591	600	626	648	656	528
65°	388	390	402	418	422	383
75°	194	194	199	203	205	208
85°	43	41	39	36	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1364.5	1364.5	1364.5	1364.5	1364.5
2.5°	1359.2	1359.2	1362.7	1366.3	1368.1
5°	1353.8	1353.8	1359.2	1362.7	1364.5
7.5°	1343.1	1343.1	1350.3	1357.4	1360.9
10°	1327.1	1330.7	1339.6	1350.3	1353.8
12.5°	1309.3	1312.9	1325.4	1339.6	1344.9
15°	1284.4	1289.8	1307.6	1325.4	1332.5
17.5°	1257.8	1264.9	1286.2	1307.6	1316.5
20°	1229.3	1236.4	1263.1	1288.0	1298.7
22.5°	1197.3	1206.2	1236.4	1263.1	1273.8
25°	1161.7	1172.4	1202.6	1232.9	1247.1
27.5°	1122.6	1135.0	1168.8	1200.8	1213.3
30°	1081.6	1095.9	1129.7	1163.5	1175.9
32.5°	1037.2	1049.6	1090.5	1122.6	1135.0
35°	992.7	1005.1	1044.3	1079.9	1092.3
37.5°	944.7	960.7	999.8	1031.8	1044.3
40°	894.8	910.9	948.2	985.6	996.2
42.5°	846.8	861.0	896.6	930.4	941.1
45°	797.0	809.4	845.0	875.3	891.3
47.5°	745.4	757.9	793.4	821.9	830.8
50°	693.8	706.3	736.5	761.4	772.1
52.5°	642.2	654.7	683.1	706.3	716.9
55°	590.6	599.5	626.2	647.6	656.5
57.5°	539.0	546.2	567.5	590.6	596.0
60°	485.7	494.6	514.1	530.1	537.3
62.5°	437.6	441.2	459.0	473.2	482.1
65°	387.8	389.6	402.1	418.1	421.6
67.5°	336.2	338.0	350.5	359.4	362.9
70°	288.2	288.2	297.1	304.2	307.8
72.5°	241.9	240.2	245.5	252.6	256.2
75°	193.9	193.9	199.2	202.8	204.6
77.5°	153.0	149.4	153.0	156.6	156.6
80°	112.1	110.3	110.3	112.1	110.3
82.5°	76.5	74.7	76.5	72.9	71.2
85°	42.7	40.9	39.1	35.6	35.6
87.5°	14.2	12.5	12.5	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)