

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: P298287

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-40L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2944.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

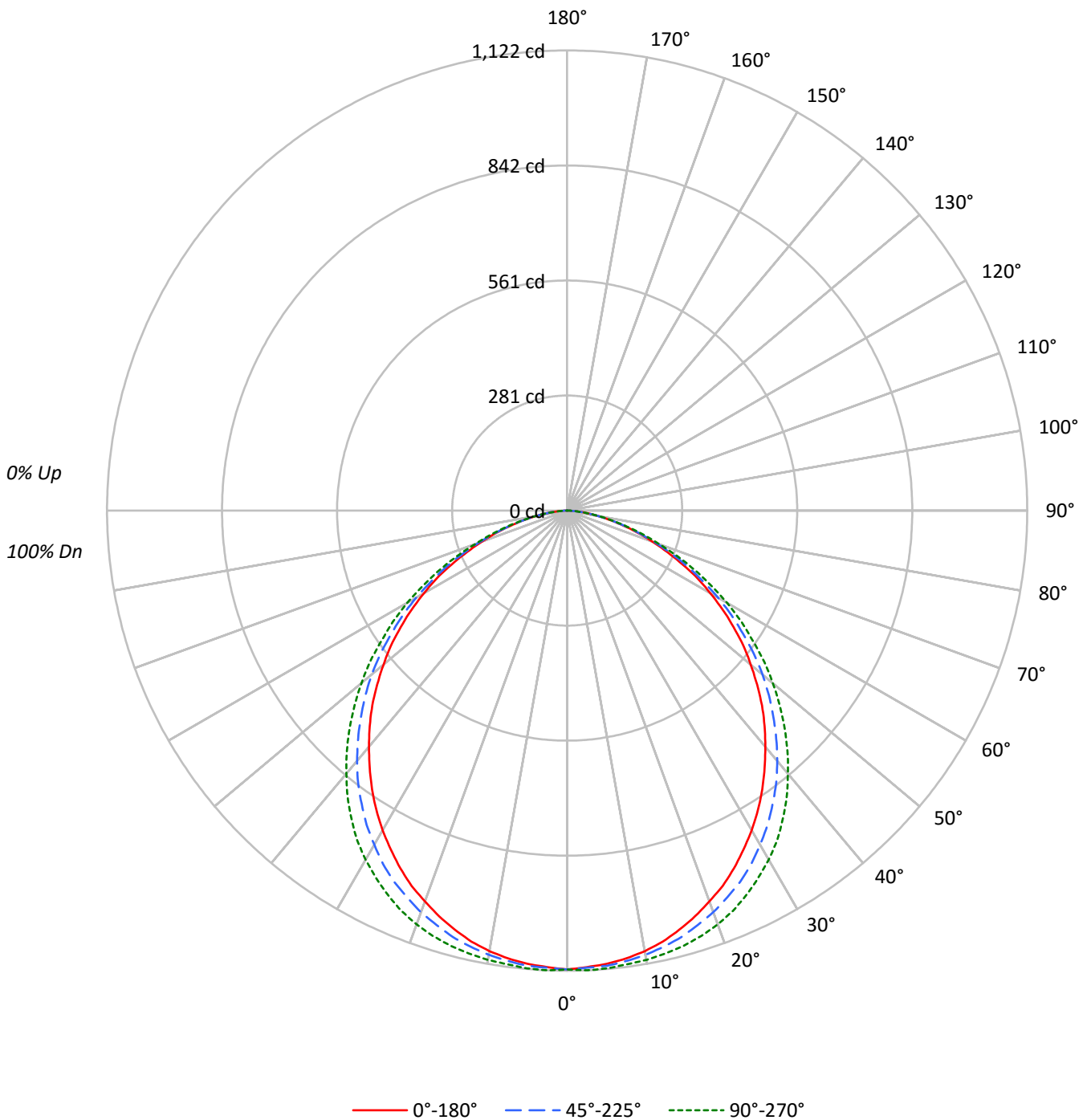
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3011	3011	3011
5°	2997	3009	3026
10°	2980	3006	3040
15°	2947	2999	3060
20°	2904	2985	3074
25°	2858	2965	3071
30°	2797	2923	3054
35°	2726	2870	3013
40°	2640	2799	2942
45°	2557	2706	2854
50°	2447	2604	2741
55°	2324	2456	2588
60°	2169	2287	2422
65°	1980	2069	2189
70°	1733	1807	1881
75°	1478	1511	1576
80°	1187	1210	1235
85°	868	821	772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.6
10°-20°	303.9	10.3
20°-30°	459.5	15.6
30°-40°	545.8	18.5
40°-50°	547.9	18.6
50°-60°	468.0	15.9
60°-70°	322.4	11.0
70°-80°	156.3	5.3
80°-90°	34.2	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°	869.3	29.5
0°-40°	1415.1	48.1
0°-60°	2431.0	82.6
0°-90°	2944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1109	1109	1114	1117	1120	105
15°	1058	1062	1077	1091	1098	298
25°	962	970	998	1025	1034	443
35°	830	842	874	906	917	518
45°	672	681	711	741	750	517
55°	495	503	524	545	552	443
65°	311	311	325	339	344	308
75°	142	139	145	148	152	153
85°	28	28	27	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.8	1118.8	1118.8	1118.8	1118.8
2.5°	1114.1	1114.1	1115.7	1120.4	1121.9
5°	1109.4	1109.4	1114.1	1117.2	1120.4
7.5°	1101.6	1103.2	1107.8	1114.1	1115.7
10°	1090.7	1092.2	1100.0	1107.8	1112.5
12.5°	1076.6	1079.7	1089.1	1101.6	1106.3
15°	1057.8	1062.5	1076.6	1090.7	1098.5
17.5°	1037.5	1043.8	1059.4	1079.7	1087.5
20°	1014.1	1021.9	1042.2	1064.1	1073.5
22.5°	990.7	996.9	1020.3	1045.3	1056.3
25°	962.5	970.3	998.5	1025.0	1034.4
27.5°	931.3	942.2	971.9	1000.0	1009.4
30°	900.0	909.4	940.7	971.9	982.8
32.5°	865.7	875.0	909.4	940.7	953.2
35°	829.7	842.2	873.5	906.3	917.2
37.5°	790.7	804.7	837.5	865.7	879.7
40°	751.6	764.1	796.9	826.6	837.5
42.5°	712.5	723.5	754.7	786.0	795.3
45°	671.9	681.3	711.0	740.6	750.0
47.5°	628.1	639.1	667.2	692.2	703.1
50°	584.4	595.3	621.9	645.3	654.7
52.5°	542.2	548.5	573.5	595.3	606.3
55°	495.3	503.1	523.5	545.3	551.6
57.5°	450.0	454.7	475.0	493.8	503.1
60°	403.1	406.3	425.0	439.1	450.0
62.5°	359.4	359.4	373.5	389.1	395.3
65°	310.9	310.9	325.0	339.1	343.8
67.5°	264.1	267.2	276.6	287.5	290.6
70°	220.3	220.3	229.7	237.5	239.1
72.5°	181.3	179.7	184.4	190.6	193.8
75°	142.2	139.1	145.3	148.4	151.6
77.5°	107.8	106.3	109.4	112.5	112.5
80°	76.6	75.0	78.1	78.1	79.7
82.5°	50.0	51.6	51.6	50.0	48.4
85°	28.1	28.1	26.6	25.0	25.0
87.5°	9.4	9.4	9.4	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)