

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: P297188

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2707.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

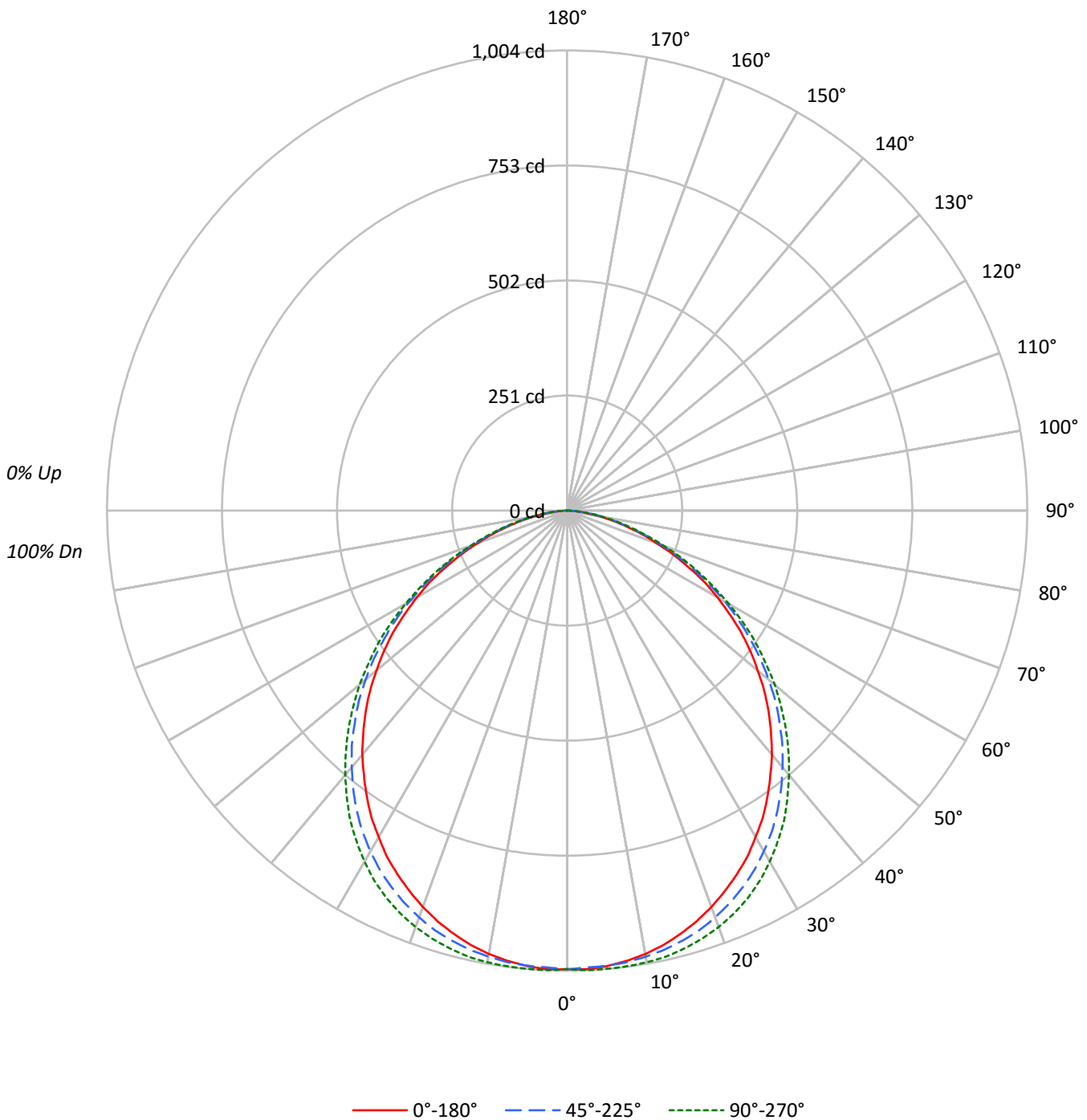
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	47	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	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1346	1346	1346
5°	1348	1346	1355
10°	1342	1350	1367
15°	1332	1353	1378
20°	1318	1352	1384
25°	1300	1346	1385
30°	1278	1333	1374
35°	1252	1314	1355
40°	1221	1284	1323
45°	1183	1247	1284
50°	1137	1202	1238
55°	1087	1142	1178
60°	1018	1070	1096
65°	929	979	1003
70°	816	858	881
75°	690	726	751
80°	549	601	616
85°	374	449	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	3.5
10°-20°	274.5	10.1
20°-30°	417.2	15.4
30°-40°	497.8	18.4
40°-50°	502.8	18.6
50°-60°	433.2	16.0
60°-70°	302.0	11.2
70°-80°	149.6	5.5
80°-90°	34.9	1.3
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°	786.8	29.1
0°-40°	1284.6	47.5
0°-60°	2220.5	82.0
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	998	997	997	1002	1004	95
15°	956	961	972	984	989	270
25°	876	887	907	925	933	403
35°	762	775	800	818	825	476
45°	622	635	656	671	675	479
55°	464	473	487	498	502	413
65°	292	298	307	310	315	290
75°	133	135	140	142	144	143
85°	24	29	29	27	28	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1001.7	999.8	997.8	1001.7	1003.6
5°	997.8	996.8	996.8	1001.7	1003.6
7.5°	991.0	991.0	993.9	1000.7	1002.7
10°	982.3	984.2	988.1	997.8	1000.7
12.5°	970.7	974.5	981.3	993.0	996.8
15°	956.1	961.0	971.6	984.2	989.1
17.5°	939.6	946.4	960.0	974.5	979.4
20°	920.2	929.0	944.5	961.0	966.8
22.5°	898.9	909.6	927.0	944.5	951.3
25°	875.6	887.3	906.7	925.1	932.8
27.5°	851.4	863.0	884.4	902.8	910.5
30°	822.3	835.9	858.2	877.6	884.4
32.5°	794.2	807.8	831.0	848.5	855.3
35°	762.2	774.8	800.0	818.4	825.2
37.5°	728.2	742.8	767.0	783.5	789.3
40°	695.3	707.9	731.1	747.6	753.4
42.5°	658.4	672.0	695.3	709.8	714.7
45°	621.6	635.1	655.5	671.0	674.9
47.5°	583.8	596.4	616.7	629.3	633.2
50°	543.0	554.7	574.1	586.7	591.5
52.5°	504.2	514.9	531.4	542.1	545.0
55°	463.5	473.2	486.8	498.4	502.3
57.5°	419.9	430.5	443.1	452.8	455.8
60°	378.2	386.9	397.6	406.3	407.3
62.5°	337.5	341.3	351.0	358.8	359.8
65°	291.9	297.7	307.4	310.3	315.1
67.5°	250.2	254.1	261.8	265.7	269.6
70°	207.5	210.4	218.2	223.0	224.0
72.5°	170.7	171.6	177.5	181.3	182.3
75°	132.8	134.8	139.6	142.5	144.5
77.5°	100.8	102.8	106.7	108.6	108.6
80°	70.8	73.7	77.6	78.5	79.5
82.5°	45.6	49.5	52.4	53.3	51.4
85°	24.2	29.1	29.1	27.2	28.1
87.5°	8.7	10.7	11.6	12.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)