

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: P297193

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297193
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3193.0 lumens
Efficiency: N/A
Efficacy: 123.8 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

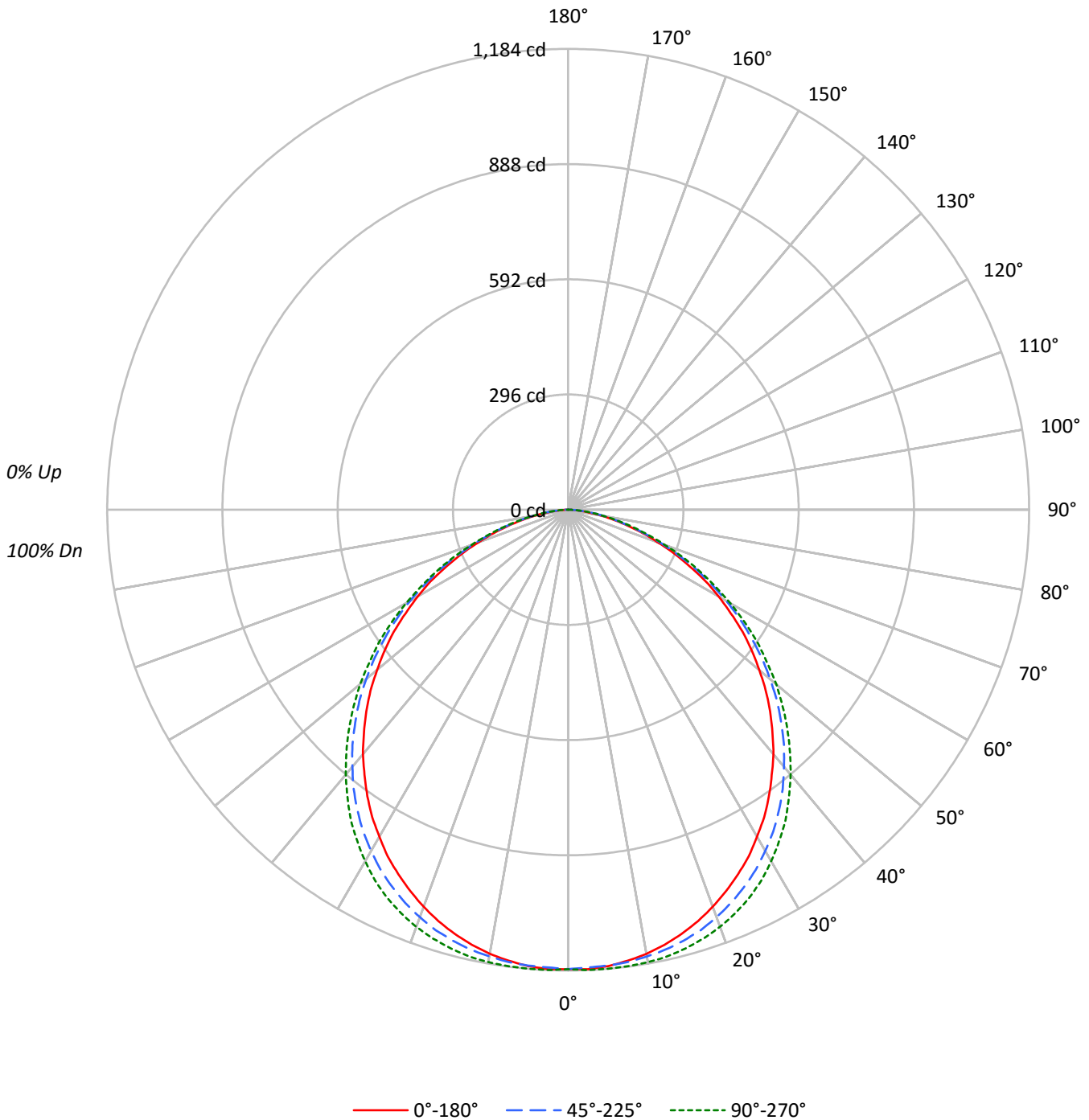
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1588	1588	1588
5°	1590	1588	1599
10°	1583	1592	1613
15°	1571	1596	1625
20°	1554	1595	1633
25°	1533	1588	1633
30°	1507	1573	1621
35°	1477	1550	1599
40°	1440	1515	1561
45°	1395	1471	1515
50°	1341	1417	1460
55°	1282	1347	1390
60°	1200	1262	1293
65°	1096	1154	1183
70°	963	1013	1039
75°	815	856	886
80°	647	709	727
85°	442	530	513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	3.5
10°-20°	323.8	10.1
20°-30°	492.1	15.4
30°-40°	587.2	18.4
40°-50°	593.0	18.6
50°-60°	510.9	16.0
60°-70°	356.2	11.2
70°-80°	176.5	5.5
80°-90°	41.2	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°	928.0	29.1
0°-40°	1515.2	47.5
0°-60°	2619.1	82.0
0°-90°	3193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1177	1176	1176	1182	1184	112
15°	1128	1134	1146	1161	1167	318
25°	1033	1047	1069	1091	1100	476
35°	899	914	944	965	973	562
45°	733	749	773	792	796	565
55°	547	558	574	588	592	487
65°	344	351	363	366	372	342
75°	157	159	165	168	170	169
85°	29	34	34	32	33	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1181.5	1179.2	1177.0	1181.5	1183.8
5°	1177.0	1175.8	1175.8	1181.5	1183.8
7.5°	1168.9	1168.9	1172.4	1180.4	1182.7
10°	1158.7	1160.9	1165.5	1177.0	1180.4
12.5°	1144.9	1149.5	1157.5	1171.2	1175.8
15°	1127.8	1133.5	1146.1	1160.9	1166.7
17.5°	1108.3	1116.3	1132.3	1149.5	1155.2
20°	1085.5	1095.7	1114.0	1133.5	1140.4
22.5°	1060.3	1072.9	1093.5	1114.0	1122.1
25°	1032.8	1046.6	1069.4	1091.2	1100.3
27.5°	1004.2	1018.0	1043.1	1064.9	1074.0
30°	969.9	985.9	1012.2	1035.1	1043.1
32.5°	936.8	952.8	980.2	1000.8	1008.8
35°	899.0	913.9	943.6	965.4	973.4
37.5°	859.0	876.1	904.7	924.2	931.0
40°	820.1	835.0	862.4	881.9	888.7
42.5°	776.6	792.6	820.1	837.2	843.0
45°	733.2	749.2	773.2	791.5	796.1
47.5°	688.6	703.4	727.4	742.3	746.9
50°	640.5	654.2	677.1	692.0	697.7
52.5°	594.8	607.3	626.8	639.4	642.8
55°	546.7	558.2	574.2	587.9	592.5
57.5°	495.3	507.8	522.7	534.1	537.6
60°	446.1	456.4	469.0	479.2	480.4
62.5°	398.0	402.6	414.0	423.2	424.3
65°	344.3	351.1	362.6	366.0	371.7
67.5°	295.1	299.7	308.8	313.4	318.0
70°	244.8	248.2	257.4	263.1	264.2
72.5°	201.3	202.4	209.3	213.9	215.0
75°	156.7	159.0	164.7	168.1	170.4
77.5°	119.0	121.2	125.8	128.1	128.1
80°	83.5	86.9	91.5	92.6	93.8
82.5°	53.8	58.3	61.8	62.9	60.6
85°	28.6	34.3	34.3	32.0	33.2
87.5°	10.3	12.6	13.7	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)