

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: P297194

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297194
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3242.0 lumens
Efficiency: N/A
Efficacy: 125.2 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

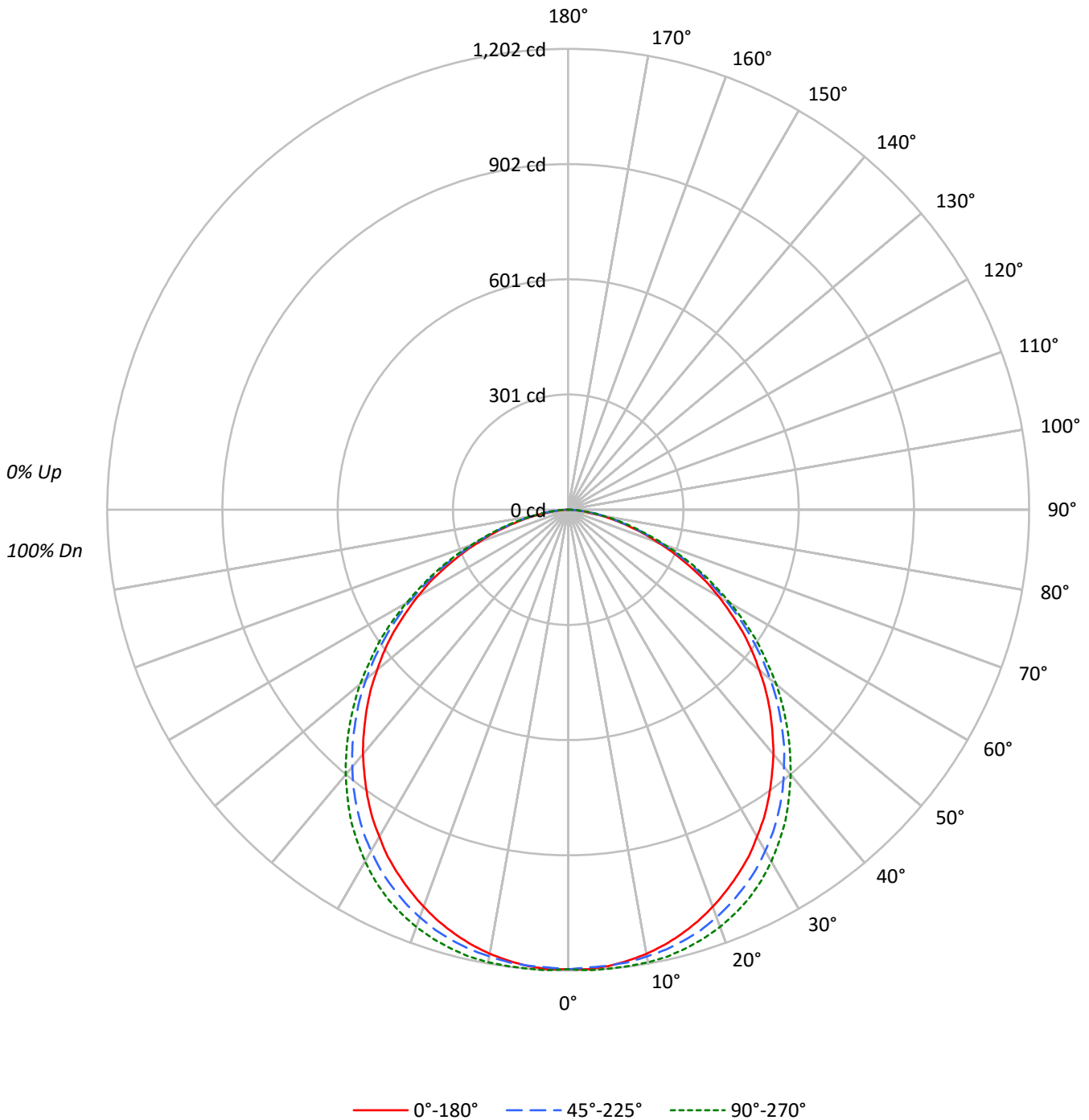
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1613	1613	1613
5°	1614	1613	1623
10°	1607	1617	1637
15°	1595	1621	1650
20°	1578	1620	1658
25°	1557	1612	1659
30°	1530	1597	1645
35°	1499	1574	1623
40°	1463	1538	1585
45°	1416	1494	1538
50°	1361	1439	1483
55°	1302	1368	1411
60°	1219	1281	1313
65°	1113	1172	1202
70°	978	1028	1055
75°	827	869	899
80°	657	720	738
85°	448	537	520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	3.5
10°-20°	328.8	10.1
20°-30°	499.6	15.4
30°-40°	596.2	18.4
40°-50°	602.1	18.6
50°-60°	518.8	16.0
60°-70°	361.6	11.2
70°-80°	179.2	5.5
80°-90°	41.8	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°	942.3	29.1
0°-40°	1538.5	47.5
0°-60°	2659.4	82.0
0°-90°	3242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3242.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1195	1194	1194	1200	1202	113
15°	1145	1151	1164	1179	1185	323
25°	1049	1063	1086	1108	1117	483
35°	913	928	958	980	988	571
45°	744	761	785	804	808	574
55°	555	567	583	597	602	495
65°	350	356	368	372	377	347
75°	159	161	167	171	173	172
85°	29	35	35	32	34	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1198.5	1198.5	1198.5	1198.5	1198.5
2.5°	1199.7	1197.3	1195.0	1199.7	1202.0
5°	1195.0	1193.9	1193.9	1199.7	1202.0
7.5°	1186.9	1186.9	1190.4	1198.5	1200.8
10°	1176.4	1178.8	1183.4	1195.0	1198.5
12.5°	1162.5	1167.1	1175.3	1189.2	1193.9
15°	1145.1	1150.9	1163.7	1178.8	1184.6
17.5°	1125.3	1133.5	1149.7	1167.1	1172.9
20°	1102.1	1112.6	1131.1	1150.9	1157.9
22.5°	1076.6	1089.3	1110.2	1131.1	1139.3
25°	1048.7	1062.6	1085.8	1107.9	1117.2
27.5°	1019.7	1033.6	1059.1	1081.2	1090.5
30°	984.8	1001.1	1027.8	1051.0	1059.1
32.5°	951.1	967.4	995.3	1016.2	1024.3
35°	912.8	927.9	958.1	980.2	988.3
37.5°	872.2	889.6	918.6	938.4	945.3
40°	832.7	847.8	875.6	895.4	902.4
42.5°	788.5	804.8	832.7	850.1	855.9
45°	744.4	760.7	785.1	803.6	808.3
47.5°	699.1	714.2	738.6	753.7	758.4
50°	650.3	664.3	687.5	702.6	708.4
52.5°	603.9	616.7	636.4	649.2	652.7
55°	555.1	566.7	583.0	596.9	601.6
57.5°	502.9	515.6	530.7	542.3	545.8
60°	452.9	463.4	476.1	486.6	487.8
62.5°	404.1	408.8	420.4	429.7	430.9
65°	349.6	356.5	368.1	371.6	377.4
67.5°	299.6	304.3	313.6	318.2	322.9
70°	248.5	252.0	261.3	267.1	268.3
72.5°	204.4	205.6	212.5	217.2	218.3
75°	159.1	161.4	167.2	170.7	173.0
77.5°	120.8	123.1	127.7	130.1	130.1
80°	84.8	88.3	92.9	94.1	95.2
82.5°	54.6	59.2	62.7	63.9	61.6
85°	29.0	34.8	34.8	32.5	33.7
87.5°	10.5	12.8	13.9	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)