

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: P296916

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3272.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

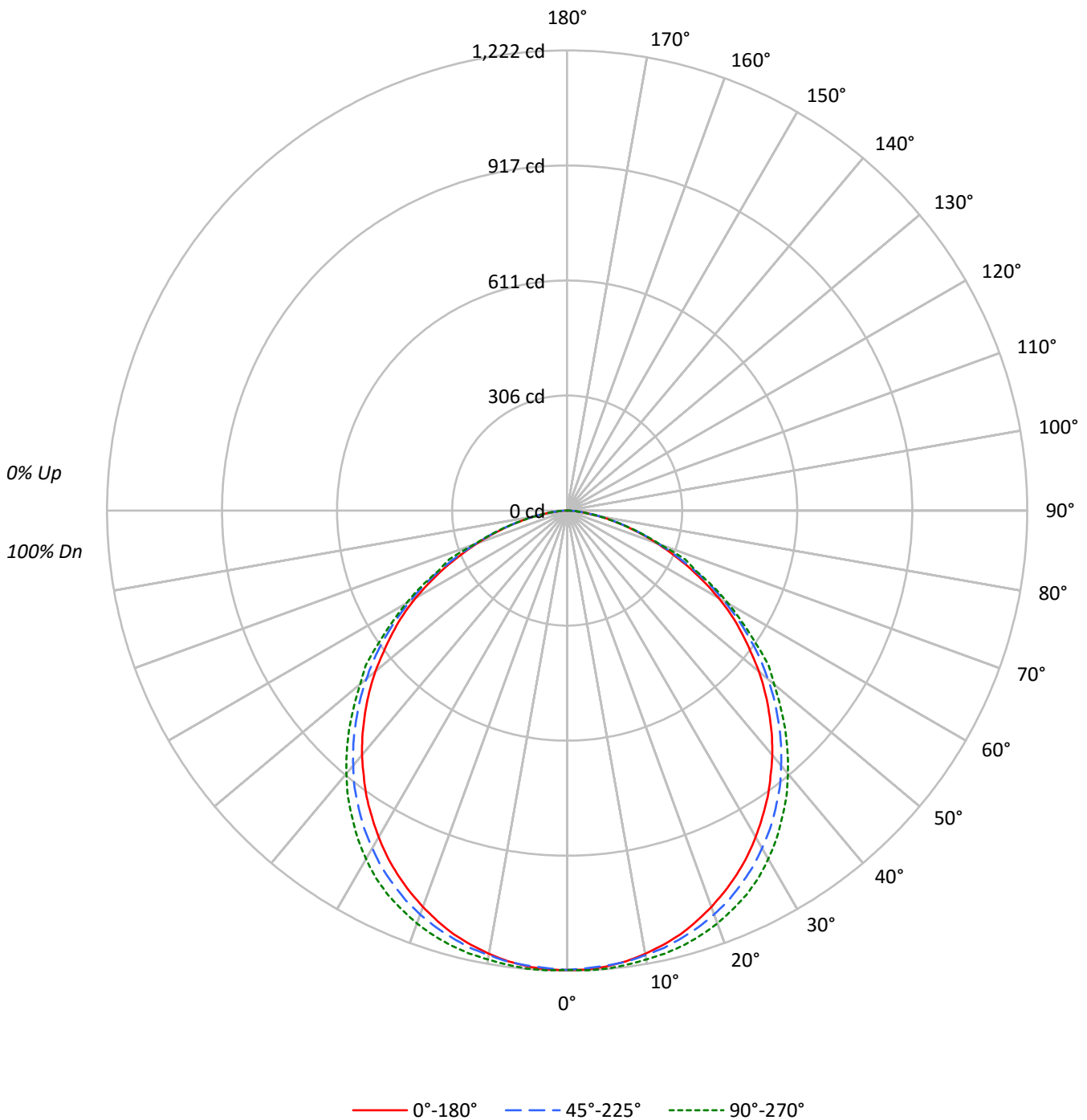
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1641	1641	1641
5°	1641	1638	1649
10°	1633	1638	1654
15°	1622	1637	1665
20°	1604	1634	1671
25°	1583	1624	1671
30°	1556	1609	1660
35°	1525	1585	1635
40°	1489	1553	1602
45°	1443	1510	1557
50°	1391	1457	1501
55°	1327	1388	1429
60°	1251	1298	1330
65°	1136	1174	1196
70°	998	1021	1035
75°	842	855	860
80°	673	682	664
85°	452	471	452



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.5
10°-20°	332.4	10.2
20°-30°	504.4	15.4
30°-40°	602.2	18.4
40°-50°	609.6	18.6
50°-60°	527.0	16.1
60°-70°	365.2	11.2
70°-80°	176.7	5.4
80°-90°	38.8	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°	952.4	29.1
0°-40°	1554.6	47.5
0°-60°	2691.2	82.2
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1215	1214	1213	1219	1221	115
15°	1165	1167	1175	1189	1195	328
25°	1066	1073	1094	1116	1126	491
35°	929	937	965	990	996	580
45°	758	769	794	814	818	585
55°	566	572	592	616	609	506
65°	357	360	369	374	376	353
75°	162	163	164	163	166	174
85°	29	32	30	29	29	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1219.8	1219.8	1219.8	1219.8	1219.8
2.5°	1219.8	1218.6	1216.3	1219.8	1222.1
5°	1215.1	1213.9	1212.7	1218.6	1221.0
7.5°	1206.9	1206.9	1208.0	1213.9	1216.3
10°	1195.1	1196.3	1198.6	1208.0	1210.4
12.5°	1181.0	1183.4	1189.3	1199.8	1204.5
15°	1164.6	1166.9	1175.2	1189.3	1195.1
17.5°	1143.5	1148.2	1159.9	1176.3	1182.2
20°	1120.0	1125.9	1141.1	1159.9	1166.9
22.5°	1094.2	1100.0	1120.0	1139.9	1147.0
25°	1066.0	1073.0	1094.2	1116.5	1125.9
27.5°	1035.5	1043.7	1067.2	1090.6	1100.0
30°	1001.4	1010.8	1035.5	1060.1	1068.3
32.5°	965.0	974.4	1002.6	1026.1	1034.3
35°	928.6	936.8	965.0	989.7	995.5
37.5°	887.5	896.9	927.5	948.6	956.8
40°	847.6	857.0	884.0	905.1	912.2
42.5°	804.2	813.6	840.6	860.5	866.4
45°	758.4	769.0	793.6	813.6	818.3
47.5°	712.6	720.8	746.7	764.3	767.8
50°	664.5	672.7	696.2	713.8	717.3
52.5°	614.0	626.9	645.7	658.6	673.9
55°	565.9	571.7	591.7	616.3	609.3
57.5°	517.7	521.3	537.7	548.3	550.6
60°	464.9	469.6	482.5	488.4	494.3
62.5°	409.7	413.2	428.5	434.4	436.7
65°	356.9	360.4	368.6	374.5	375.7
67.5°	302.9	306.4	313.5	318.2	339.3
70°	253.6	255.9	259.5	268.8	263.0
72.5°	206.6	207.8	211.3	211.3	212.5
75°	162.0	163.2	164.4	163.2	165.5
77.5°	120.9	123.3	124.4	123.3	122.1
80°	86.9	89.2	88.0	85.7	85.7
82.5°	56.4	57.5	56.4	55.2	55.2
85°	29.3	31.7	30.5	29.3	29.3
87.5°	10.6	11.7	12.9	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)