

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: P296856

Luminaire Tested: **D3X-WD-36L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296856
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-36L93050-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.0 lumens
Efficiency: N/A
Efficacy: 122.2 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

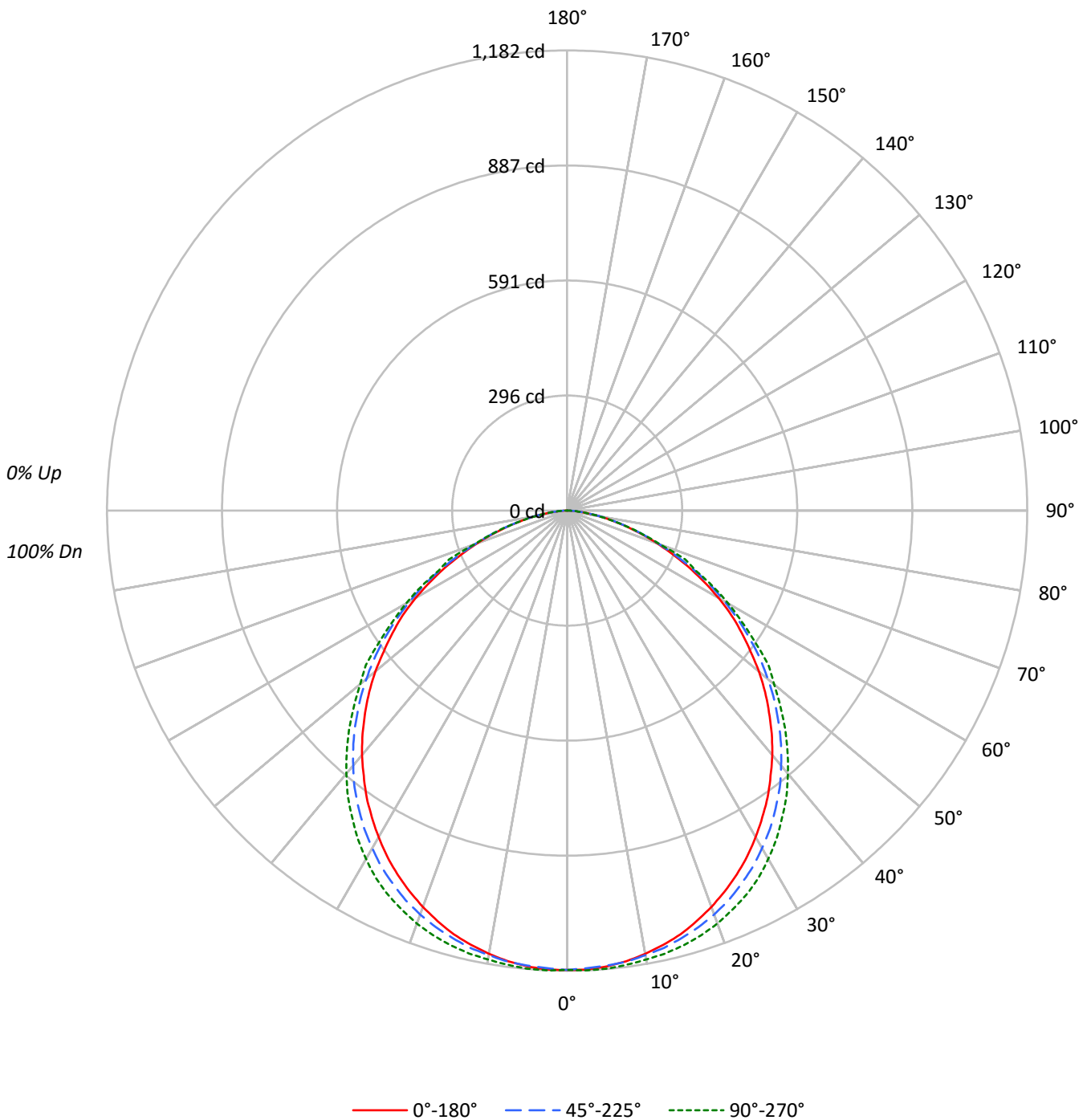
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1588	1588	1588
5°	1587	1584	1595
10°	1579	1584	1600
15°	1569	1583	1610
20°	1551	1580	1616
25°	1531	1571	1617
30°	1505	1556	1606
35°	1475	1533	1582
40°	1440	1502	1550
45°	1396	1461	1506
50°	1346	1410	1452
55°	1284	1342	1383
60°	1210	1256	1287
65°	1099	1135	1157
70°	965	987	1001
75°	815	827	832
80°	651	660	642
85°	438	455	438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	3.5
10°-20°	321.6	10.2
20°-30°	487.9	15.4
30°-40°	582.5	18.4
40°-50°	589.7	18.6
50°-60°	509.7	16.1
60°-70°	353.3	11.2
70°-80°	170.9	5.4
80°-90°	37.6	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°	921.3	29.1
0°-40°	1503.8	47.5
0°-60°	2603.2	82.2
0°-90°	3165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3165.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1180	1180	1180	1180	1180	
5°	1175	1174	1173	1179	1181	112
15°	1126	1129	1137	1150	1156	317
25°	1031	1038	1058	1080	1089	475
35°	898	906	934	957	963	561
45°	734	744	768	787	792	566
55°	547	553	572	596	589	489
65°	345	349	357	362	363	342
75°	157	158	159	158	160	168
85°	28	31	30	28	28	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1179.9	1178.8	1176.5	1179.9	1182.2
5°	1175.3	1174.2	1173.1	1178.8	1181.0
7.5°	1167.4	1167.4	1168.5	1174.2	1176.5
10°	1156.0	1157.2	1159.4	1168.5	1170.8
12.5°	1142.4	1144.7	1150.4	1160.6	1165.1
15°	1126.5	1128.8	1136.7	1150.4	1156.0
17.5°	1106.1	1110.6	1122.0	1137.9	1143.6
20°	1083.4	1089.0	1103.8	1122.0	1128.8
22.5°	1058.4	1064.1	1083.4	1102.7	1109.5
25°	1031.1	1037.9	1058.4	1080.0	1089.0
27.5°	1001.6	1009.5	1032.3	1055.0	1064.1
30°	968.7	977.8	1001.6	1025.4	1033.4
32.5°	933.5	942.5	969.8	992.5	1000.5
35°	898.3	906.2	933.5	957.3	963.0
37.5°	858.5	867.6	897.1	917.6	925.5
40°	819.9	829.0	855.1	875.5	882.4
42.5°	777.9	787.0	813.1	832.4	838.1
45°	733.6	743.8	767.7	787.0	791.5
47.5°	689.3	697.3	722.2	739.3	742.7
50°	642.8	650.7	673.4	690.4	693.9
52.5°	593.9	606.4	624.6	637.1	651.8
55°	547.4	553.0	572.3	596.2	589.4
57.5°	500.8	504.2	520.1	530.3	532.6
60°	449.7	454.2	466.7	472.4	478.1
62.5°	396.3	399.7	414.5	420.2	422.4
65°	345.2	348.6	356.6	362.3	363.4
67.5°	293.0	296.4	303.2	307.7	328.2
70°	245.3	247.6	251.0	260.1	254.4
72.5°	199.9	201.0	204.4	204.4	205.5
75°	156.7	157.8	159.0	157.8	160.1
77.5°	117.0	119.2	120.4	119.2	118.1
80°	84.0	86.3	85.2	82.9	82.9
82.5°	54.5	55.6	54.5	53.4	53.4
85°	28.4	30.7	29.5	28.4	28.4
87.5°	10.2	11.4	12.5	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)