

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: P296912

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296912
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-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3124.0 lumens
Efficiency: N/A
Efficacy: 121.6 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

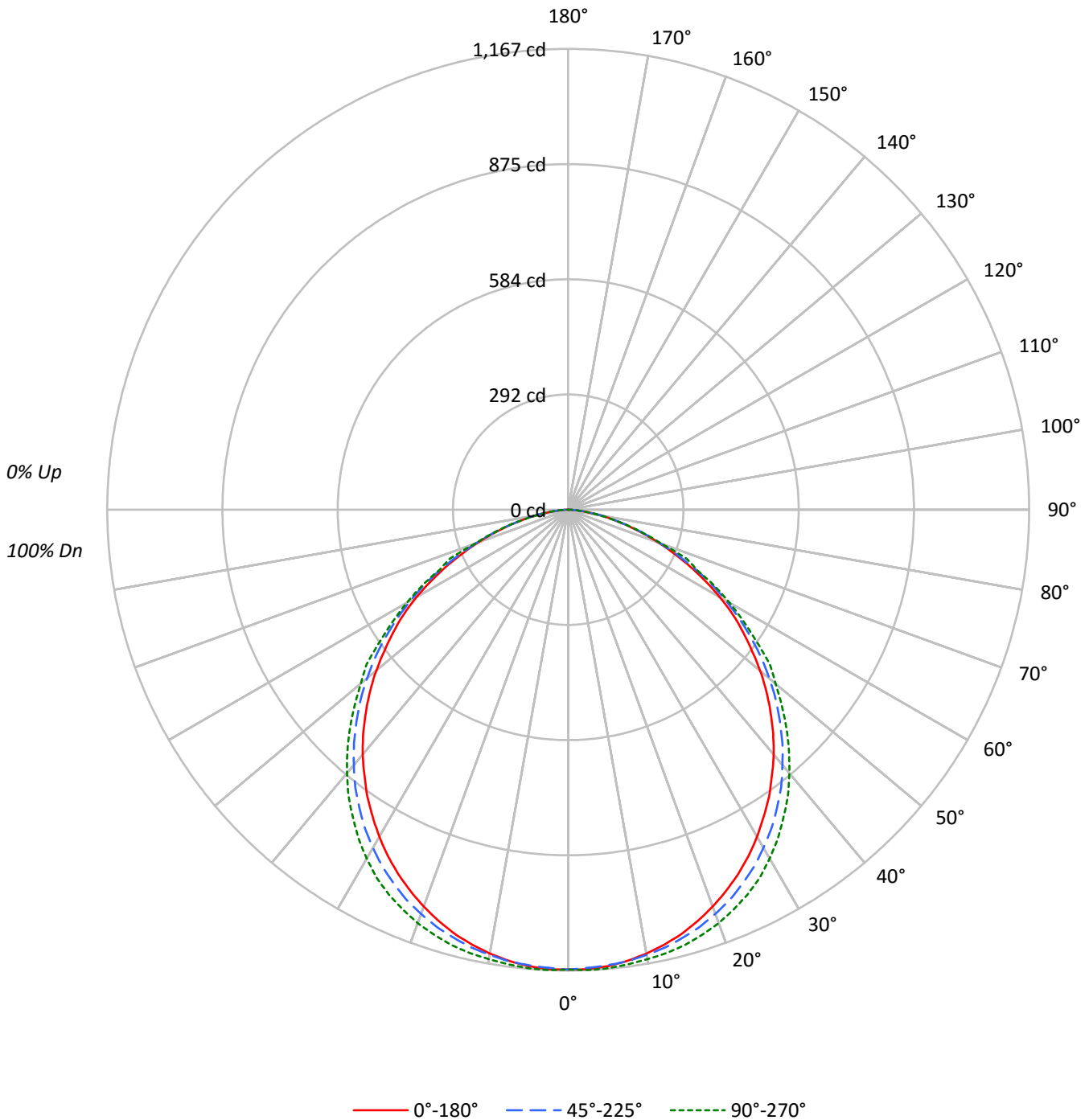
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1567	1567	1567
5°	1567	1564	1574
10°	1559	1564	1579
15°	1549	1563	1589
20°	1531	1560	1595
25°	1511	1551	1596
30°	1485	1536	1585
35°	1456	1513	1561
40°	1421	1482	1530
45°	1378	1442	1487
50°	1328	1391	1434
55°	1267	1325	1365
60°	1195	1240	1270
65°	1085	1121	1142
70°	952	974	988
75°	804	816	821
80°	642	652	634
85°	432	449	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.5
10°-20°	317.4	10.2
20°-30°	481.6	15.4
30°-40°	574.9	18.4
40°-50°	582.1	18.6
50°-60°	503.1	16.1
60°-70°	348.7	11.2
70°-80°	168.7	5.4
80°-90°	37.1	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°	909.3	29.1
0°-40°	1484.3	47.5
0°-60°	2569.5	82.2
0°-90°	3124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1165	1165	1165	1165	1165	
5°	1160	1159	1158	1164	1166	110
15°	1112	1114	1122	1136	1141	313
25°	1018	1024	1045	1066	1075	469
35°	887	894	921	945	950	554
45°	724	734	758	777	781	558
55°	540	546	565	588	582	483
65°	341	344	352	358	359	337
75°	155	156	157	156	158	166
85°	28	30	29	28	28	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.6	1164.6	1164.6	1164.6	1164.6
2.5°	1164.6	1163.5	1161.2	1164.6	1166.8
5°	1160.1	1159.0	1157.9	1163.5	1165.7
7.5°	1152.3	1152.3	1153.4	1159.0	1161.2
10°	1141.1	1142.2	1144.4	1153.4	1155.6
12.5°	1127.6	1129.9	1135.5	1145.5	1150.0
15°	1111.9	1114.2	1122.0	1135.5	1141.1
17.5°	1091.7	1096.2	1107.4	1123.1	1128.7
20°	1069.3	1074.9	1089.5	1107.4	1114.2
22.5°	1044.7	1050.3	1069.3	1088.4	1095.1
25°	1017.8	1024.5	1044.7	1066.0	1074.9
27.5°	988.6	996.5	1018.9	1041.3	1050.3
30°	956.1	965.1	988.6	1012.2	1020.0
32.5°	921.4	930.3	957.2	979.7	987.5
35°	886.6	894.5	921.4	944.9	950.5
37.5°	847.4	856.4	885.5	905.7	913.5
40°	809.3	818.2	844.0	864.2	870.9
42.5°	767.8	776.8	802.6	821.6	827.2
45°	724.1	734.2	757.7	776.8	781.3
47.5°	680.4	688.2	712.9	729.7	733.1
50°	634.4	642.3	664.7	681.5	684.9
52.5°	586.2	598.6	616.5	628.8	643.4
55°	540.3	545.9	564.9	588.5	581.7
57.5°	494.3	497.7	513.4	523.5	525.7
60°	443.9	448.4	460.7	466.3	471.9
62.5°	391.2	394.6	409.1	414.7	417.0
65°	340.8	344.1	352.0	357.6	358.7
67.5°	289.2	292.6	299.3	303.8	323.9
70°	242.1	244.4	247.7	256.7	251.1
72.5°	197.3	198.4	201.8	201.8	202.9
75°	154.7	155.8	156.9	155.8	158.0
77.5°	115.5	117.7	118.8	117.7	116.6
80°	82.9	85.2	84.1	81.8	81.8
82.5°	53.8	54.9	53.8	52.7	52.7
85°	28.0	30.3	29.1	28.0	28.0
87.5°	10.1	11.2	12.3	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)