

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: P296917

Luminaire Tested: **D3X-WD-42L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296917
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-42L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3100.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

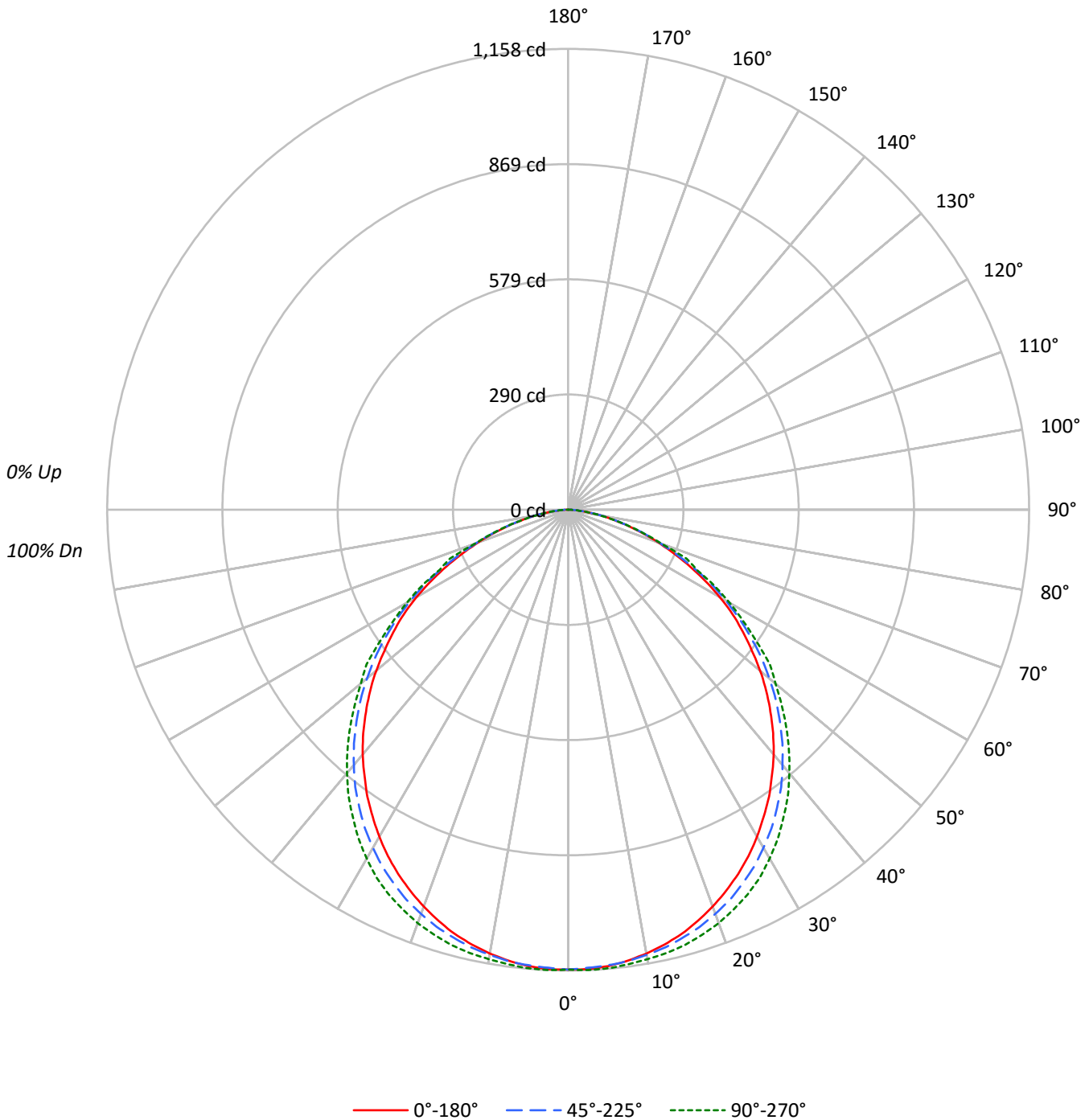
Input Watts (W): 29
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1555	1555	1555
5°	1555	1552	1562
10°	1547	1552	1567
15°	1537	1551	1577
20°	1519	1548	1583
25°	1499	1539	1584
30°	1474	1524	1573
35°	1445	1502	1549
40°	1411	1471	1518
45°	1367	1431	1475
50°	1318	1381	1423
55°	1258	1315	1354
60°	1185	1230	1260
65°	1076	1112	1133
70°	945	967	980
75°	798	809	815
80°	638	646	629
85°	429	446	429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.5
10°-20°	315.0	10.2
20°-30°	477.9	15.4
30°-40°	570.5	18.4
40°-50°	577.6	18.6
50°-60°	499.3	16.1
60°-70°	346.0	11.2
70°-80°	167.4	5.4
80°-90°	36.8	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°	902.3	29.1
0°-40°	1472.9	47.5
0°-60°	2549.7	82.2
0°-90°	3100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1151	1150	1149	1154	1157	109
15°	1103	1106	1113	1127	1132	311
25°	1010	1017	1037	1058	1067	465
35°	880	888	914	938	943	550
45°	718	728	752	771	775	554
55°	536	542	561	584	577	479
65°	338	342	349	355	356	335
75°	154	155	156	155	157	165
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°	1155.7	1155.7	1155.7	1155.7	1155.7
2.5°	1155.7	1154.5	1152.3	1155.7	1157.9
5°	1151.2	1150.1	1149.0	1154.5	1156.8
7.5°	1143.4	1143.4	1144.5	1150.1	1152.3
10°	1132.3	1133.4	1135.6	1144.5	1146.8
12.5°	1119.0	1121.2	1126.7	1136.7	1141.2
15°	1103.4	1105.6	1113.4	1126.7	1132.3
17.5°	1083.4	1087.8	1098.9	1114.5	1120.1
20°	1061.1	1066.7	1081.1	1098.9	1105.6
22.5°	1036.6	1042.2	1061.1	1080.0	1086.7
25°	1009.9	1016.6	1036.6	1057.8	1066.7
27.5°	981.0	988.8	1011.1	1033.3	1042.2
30°	948.8	957.7	981.0	1004.4	1012.2
32.5°	914.3	923.2	949.9	972.1	979.9
35°	879.8	887.6	914.3	937.7	943.2
37.5°	840.9	849.8	878.7	898.7	906.5
40°	803.1	812.0	837.5	857.6	864.2
42.5°	761.9	770.8	796.4	815.3	820.9
45°	718.5	728.5	751.9	770.8	775.3
47.5°	675.2	682.9	707.4	724.1	727.4
50°	629.5	637.3	659.6	676.3	679.6
52.5°	581.7	594.0	611.8	624.0	638.4
55°	536.1	541.7	560.6	583.9	577.3
57.5°	490.5	493.9	509.4	519.4	521.7
60°	440.5	444.9	457.1	462.7	468.3
62.5°	388.2	391.5	406.0	411.5	413.8
65°	338.1	341.5	349.3	354.8	355.9
67.5°	287.0	290.3	297.0	301.4	321.4
70°	240.3	242.5	245.8	254.7	249.2
72.5°	195.8	196.9	200.2	200.2	201.3
75°	153.5	154.6	155.7	154.6	156.8
77.5°	114.6	116.8	117.9	116.8	115.7
80°	82.3	84.5	83.4	81.2	81.2
82.5°	53.4	54.5	53.4	52.3	52.3
85°	27.8	30.0	28.9	27.8	27.8
87.5°	10.0	11.1	12.2	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)