

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: P296909

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296909
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-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2809.0 lumens
Efficiency: N/A
Efficacy: 112.8 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

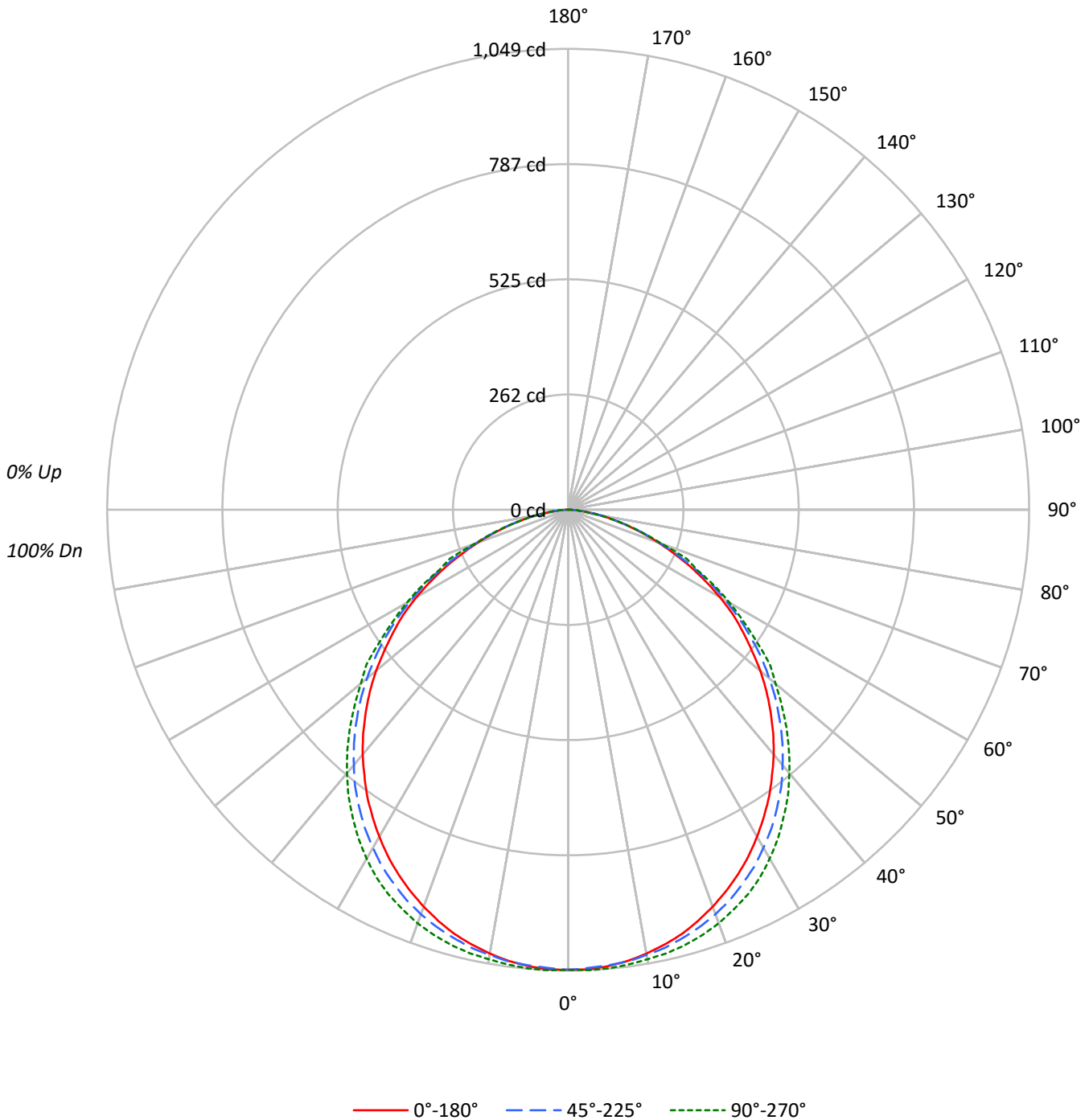
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1409	1409	1409
5°	1409	1406	1416
10°	1402	1406	1420
15°	1393	1405	1429
20°	1377	1403	1434
25°	1359	1394	1435
30°	1336	1381	1425
35°	1309	1361	1404
40°	1278	1333	1375
45°	1239	1296	1337
50°	1194	1251	1289
55°	1140	1192	1227
60°	1074	1115	1142
65°	975	1008	1027
70°	856	876	888
75°	723	734	739
80°	578	586	570
85°	389	404	389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	3.5
10°-20°	285.4	10.2
20°-30°	433.0	15.4
30°-40°	517.0	18.4
40°-50°	523.4	18.6
50°-60°	452.4	16.1
60°-70°	313.6	11.2
70°-80°	151.7	5.4
80°-90°	33.4	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°	817.6	29.1
0°-40°	1334.6	47.5
0°-60°	2310.4	82.2
0°-90°	2809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1043	1042	1041	1046	1048	99
15°	1000	1002	1009	1021	1026	282
25°	915	921	939	958	966	421
35°	797	804	828	850	855	498
45°	651	660	681	698	702	502
55°	486	491	508	529	523	434
65°	306	309	316	322	322	303
75°	139	140	141	140	142	149
85°	25	27	26	25	25	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1047.2	1047.2	1047.2	1047.2	1047.2
2.5°	1047.2	1046.2	1044.2	1047.2	1049.2
5°	1043.1	1042.1	1041.1	1046.2	1048.2
7.5°	1036.1	1036.1	1037.1	1042.1	1044.2
10°	1026.0	1027.0	1029.0	1037.1	1039.1
12.5°	1013.9	1015.9	1021.0	1030.0	1034.1
15°	999.8	1001.8	1008.9	1021.0	1026.0
17.5°	981.7	985.7	995.8	1009.9	1014.9
20°	961.5	966.5	979.6	995.8	1001.8
22.5°	939.3	944.4	961.5	978.6	984.7
25°	915.1	921.2	939.3	958.5	966.5
27.5°	888.9	896.0	916.2	936.3	944.4
30°	859.7	867.8	888.9	910.1	917.2
32.5°	828.5	836.5	860.7	880.9	887.9
35°	797.2	804.3	828.5	849.6	854.7
37.5°	761.9	770.0	796.2	814.4	821.4
40°	727.7	735.7	758.9	777.1	783.1
42.5°	690.4	698.5	721.6	738.8	743.8
45°	651.1	660.2	681.3	698.5	702.5
47.5°	611.8	618.8	641.0	656.1	659.1
50°	570.5	577.5	597.7	612.8	615.8
52.5°	527.1	538.2	554.3	565.4	578.5
55°	485.8	490.8	508.0	529.1	523.1
57.5°	444.5	447.5	461.6	470.7	472.7
60°	399.1	403.1	414.2	419.3	424.3
62.5°	351.7	354.8	367.9	372.9	374.9
65°	306.4	309.4	316.5	321.5	322.5
67.5°	260.0	263.1	269.1	273.1	291.3
70°	217.7	219.7	222.7	230.8	225.8
72.5°	177.4	178.4	181.4	181.4	182.4
75°	139.1	140.1	141.1	140.1	142.1
77.5°	103.8	105.8	106.8	105.8	104.8
80°	74.6	76.6	75.6	73.6	73.6
82.5°	48.4	49.4	48.4	47.4	47.4
85°	25.2	27.2	26.2	25.2	25.2
87.5°	9.1	10.1	11.1	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)