

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: P296910

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296910
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2950.0 lumens
Efficiency: N/A
Efficacy: 116.6 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

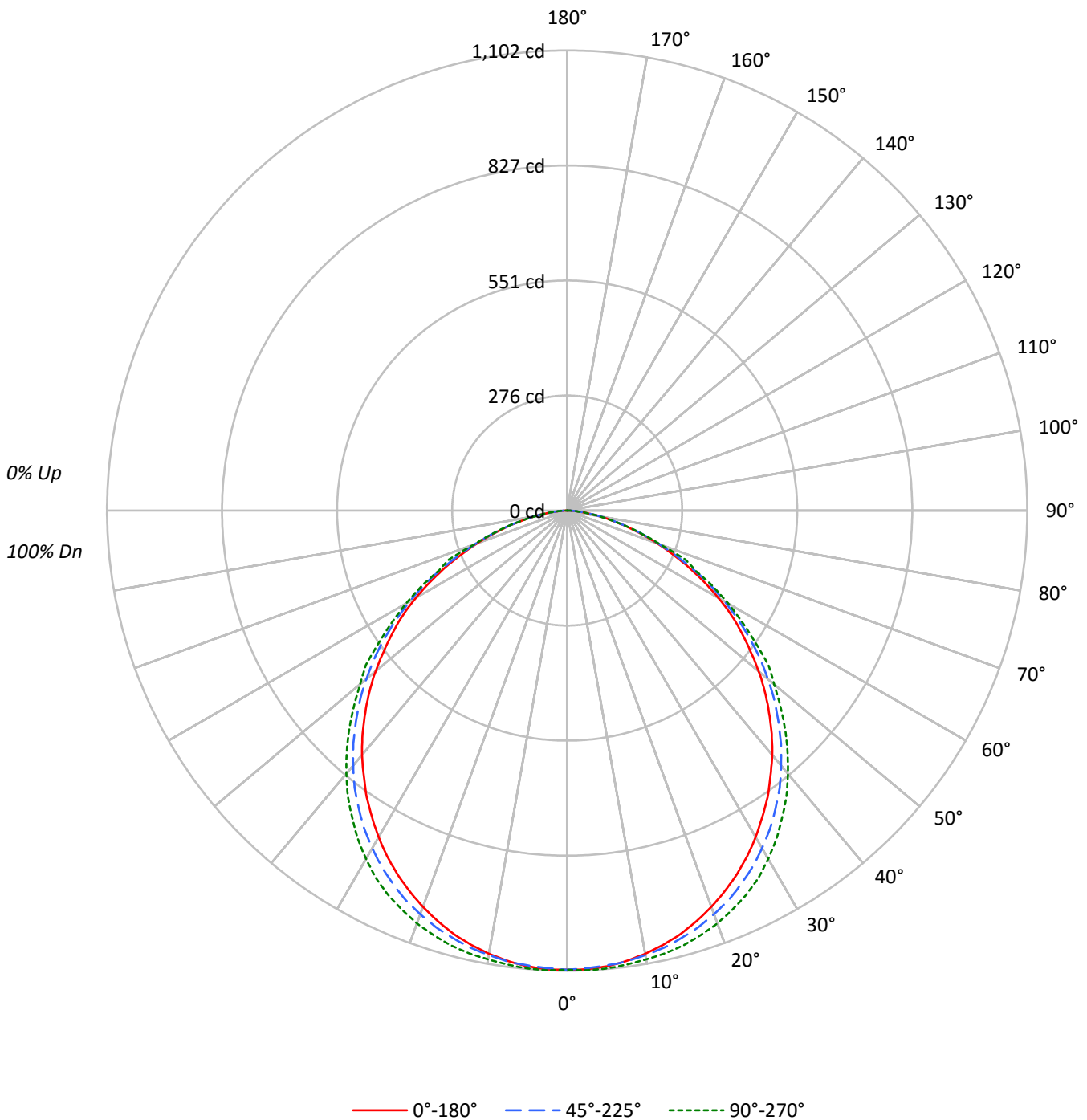
Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1480	1480	1480
5°	1480	1477	1487
10°	1472	1477	1491
15°	1463	1476	1501
20°	1446	1473	1506
25°	1427	1465	1507
30°	1403	1450	1496
35°	1375	1429	1474
40°	1342	1400	1444
45°	1301	1361	1404
50°	1254	1314	1354
55°	1197	1251	1289
60°	1128	1171	1199
65°	1025	1058	1078
70°	899	920	933
75°	760	770	776
80°	607	615	599
85°	409	425	409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.5
10°-20°	299.7	10.2
20°-30°	454.8	15.4
30°-40°	542.9	18.4
40°-50°	549.6	18.6
50°-60°	475.1	16.1
60°-70°	329.3	11.2
70°-80°	159.3	5.4
80°-90°	35.0	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°	858.7	29.1
0°-40°	1401.6	47.5
0°-60°	2426.4	82.3
0°-90°	2950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2950.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1096	1094	1093	1099	1101	104
15°	1050	1052	1060	1072	1078	296
25°	961	967	986	1007	1015	443
35°	837	845	870	892	898	523
45°	684	693	716	734	738	527
55°	510	516	534	556	549	456
65°	322	325	332	338	339	318
75°	146	147	148	147	149	157
85°	26	29	28	26	26	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.7	1099.7	1099.7	1099.7	1099.7
2.5°	1099.7	1098.7	1096.6	1099.7	1101.9
5°	1095.5	1094.4	1093.4	1098.7	1100.8
7.5°	1088.1	1088.1	1089.2	1094.4	1096.6
10°	1077.5	1078.6	1080.7	1089.2	1091.3
12.5°	1064.8	1066.9	1072.2	1081.7	1086.0
15°	1050.0	1052.1	1059.5	1072.2	1077.5
17.5°	1030.9	1035.2	1045.8	1060.6	1065.9
20°	1009.8	1015.1	1028.8	1045.8	1052.1
22.5°	986.5	991.8	1009.8	1027.8	1034.1
25°	961.1	967.4	986.5	1006.6	1015.1
27.5°	933.6	941.0	962.1	983.3	991.8
30°	902.9	911.3	933.6	955.8	963.2
32.5°	870.1	878.5	903.9	925.1	932.5
35°	837.2	844.7	870.1	892.3	897.6
37.5°	800.2	808.7	836.2	855.2	862.6
40°	764.2	772.7	797.0	816.1	822.4
42.5°	725.0	733.5	757.9	775.9	781.1
45°	683.8	693.3	715.5	733.5	737.7
47.5°	642.5	649.9	673.2	689.1	692.2
50°	599.1	606.5	627.7	643.5	646.7
52.5°	553.6	565.2	582.2	593.8	607.6
55°	510.2	515.5	533.5	555.7	549.3
57.5°	466.8	470.0	484.8	494.3	496.4
60°	419.1	423.4	435.0	440.3	445.6
62.5°	369.4	372.6	386.3	391.6	393.7
65°	321.8	324.9	332.4	337.6	338.7
67.5°	273.1	276.3	282.6	286.8	305.9
70°	228.6	230.7	233.9	242.4	237.1
72.5°	186.3	187.3	190.5	190.5	191.6
75°	146.1	147.1	148.2	147.1	149.2
77.5°	109.0	111.1	112.2	111.1	110.1
80°	78.3	80.4	79.4	77.3	77.3
82.5°	50.8	51.9	50.8	49.7	49.7
85°	26.5	28.6	27.5	26.5	26.5
87.5°	9.5	10.6	11.6	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)