

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: P297889

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L82765-LD5-UNV-14-T1-W2A-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3726.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

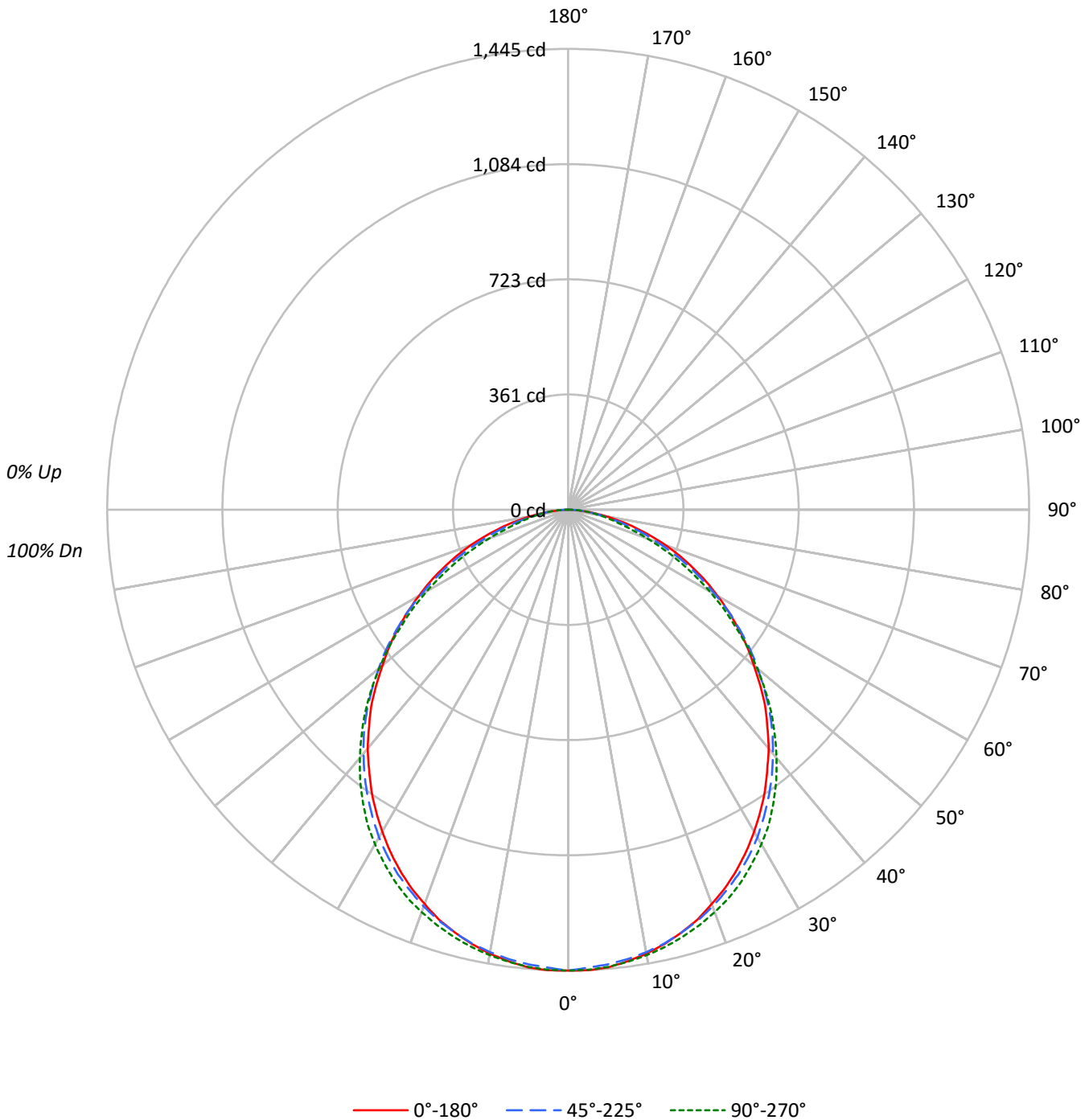
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3889	3889	3889
5°	3891	3866	3887
10°	3863	3850	3875
15°	3824	3824	3863
20°	3768	3790	3844
25°	3705	3747	3817
30°	3622	3686	3764
35°	3533	3601	3684
40°	3434	3507	3568
45°	3324	3396	3426
50°	3180	3247	3233
55°	3060	3082	3001
60°	2907	2865	2754
65°	2746	2635	2454
70°	2548	2336	2076
75°	2267	2004	1708
80°	1884	1640	1592
85°	1365	1463	1463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	3.7
10°-20°	388.5	10.4
20°-30°	582.3	15.6
30°-40°	686.0	18.4
40°-50°	684.2	18.4
50°-60°	582.0	15.6
60°-70°	406.2	10.9
70°-80°	206.5	5.5
80°-90°	53.9	1.4
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°	1107.2	29.7
0°-40°	1793.2	48.1
0°-60°	3059.4	82.1
0°-90°	3726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1440	1437	1431	1439	1439	137
15°	1372	1372	1372	1385	1387	387
25°	1248	1249	1262	1281	1286	574
35°	1076	1077	1096	1118	1121	672
45°	873	877	892	899	900	672
55°	652	652	657	648	640	583
65°	431	425	414	392	385	428
75°	218	210	193	169	164	231
85°	44	46	47	47	47	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.2	1445.2	1445.2	1445.2	1445.2
2.5°	1445.2	1443.6	1437.3	1443.6	1443.6
5°	1440.4	1437.3	1431.0	1438.9	1438.9
7.5°	1427.8	1426.2	1421.5	1429.4	1429.4
10°	1413.6	1412.0	1408.9	1418.3	1418.3
12.5°	1394.6	1394.6	1393.1	1402.5	1404.1
15°	1372.5	1372.5	1372.5	1385.2	1386.7
17.5°	1347.3	1345.7	1350.4	1364.6	1366.2
20°	1315.7	1317.3	1323.6	1339.4	1342.5
22.5°	1284.1	1285.7	1293.6	1312.5	1317.3
25°	1247.8	1249.3	1262.0	1280.9	1285.7
27.5°	1208.3	1211.4	1225.6	1246.2	1249.3
30°	1165.6	1168.8	1186.2	1206.7	1211.4
32.5°	1121.4	1126.1	1141.9	1164.0	1170.4
35°	1075.6	1077.2	1096.1	1118.2	1121.4
37.5°	1025.1	1029.8	1048.7	1067.7	1070.9
40°	977.7	980.8	998.2	1014.0	1015.6
42.5°	924.0	928.7	947.7	958.7	958.7
45°	873.4	876.6	892.4	898.7	900.3
47.5°	816.6	819.7	833.9	837.1	837.1
50°	759.7	767.6	775.5	775.5	772.3
52.5°	707.6	709.2	718.6	712.3	709.2
55°	652.3	652.3	657.0	647.6	639.7
57.5°	597.0	597.0	597.0	584.4	578.1
60°	540.2	538.6	532.3	516.5	511.7
62.5°	486.5	481.7	472.3	456.5	447.0
65°	431.2	424.9	413.8	391.7	385.4
67.5°	379.1	368.0	355.4	334.8	323.8
70°	323.8	314.3	296.9	273.2	263.8
72.5°	270.1	260.6	246.4	222.7	208.5
75°	218.0	210.1	192.7	169.0	164.3
77.5°	167.4	162.7	145.3	134.3	132.7
80°	121.6	120.0	105.8	102.7	102.7
82.5°	80.6	79.0	74.2	74.2	72.7
85°	44.2	45.8	47.4	47.4	47.4
87.5°	15.8	19.0	22.1	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)