

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: P297881

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297881
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-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3271.0 lumens
Efficiency: N/A
Efficacy: 97.4 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

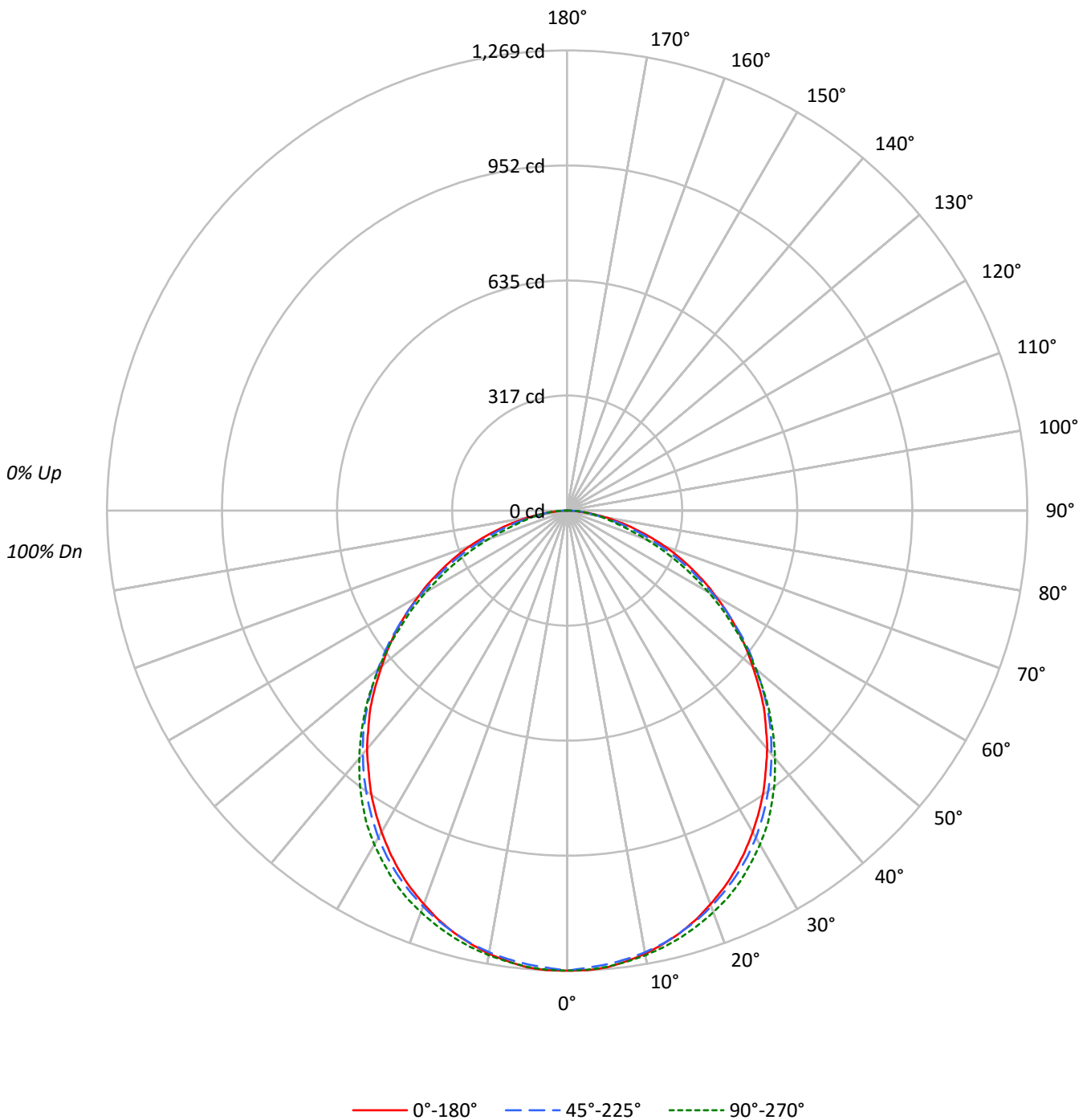
Input Watts (W): 33.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3414	3414	3414
5°	3416	3393	3412
10°	3391	3380	3402
15°	3357	3357	3392
20°	3308	3327	3375
25°	3252	3290	3351
30°	3180	3236	3305
35°	3102	3161	3234
40°	3015	3078	3132
45°	2918	2981	3008
50°	2792	2850	2838
55°	2687	2706	2635
60°	2552	2515	2418
65°	2410	2313	2154
70°	2236	2051	1822
75°	1989	1759	1499
80°	1655	1440	1396
85°	1198	1284	1284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	3.7
10°-20°	341.1	10.4
20°-30°	511.2	15.6
30°-40°	602.2	18.4
40°-50°	600.7	18.4
50°-60°	510.9	15.6
60°-70°	356.6	10.9
70°-80°	181.3	5.5
80°-90°	47.3	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°	972.0	29.7
0°-40°	1574.2	48.1
0°-60°	2685.8	82.1
0°-90°	3271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1264	1262	1256	1263	1263	120
15°	1205	1205	1205	1216	1217	340
25°	1095	1097	1108	1124	1129	504
35°	944	946	962	982	984	590
45°	767	770	783	789	790	590
55°	573	573	577	568	562	512
65°	378	373	363	344	338	375
75°	191	184	169	148	144	203
85°	39	40	42	42	42	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1268.7	1268.7	1268.7	1268.7	1268.7
2.5°	1268.7	1267.3	1261.8	1267.3	1267.3
5°	1264.5	1261.8	1256.2	1263.2	1263.2
7.5°	1253.5	1252.1	1247.9	1254.8	1254.8
10°	1241.0	1239.6	1236.8	1245.1	1245.1
12.5°	1224.3	1224.3	1223.0	1231.3	1232.7
15°	1204.9	1204.9	1204.9	1216.0	1217.4
17.5°	1182.7	1181.4	1185.5	1198.0	1199.4
20°	1155.0	1156.4	1161.9	1175.8	1178.6
22.5°	1127.3	1128.7	1135.6	1152.2	1156.4
25°	1095.4	1096.8	1107.9	1124.5	1128.7
27.5°	1060.7	1063.5	1076.0	1094.0	1096.8
30°	1023.3	1026.1	1041.3	1059.3	1063.5
32.5°	984.5	988.6	1002.5	1021.9	1027.4
35°	944.3	945.6	962.3	981.7	984.5
37.5°	899.9	904.0	920.7	937.3	940.1
40°	858.3	861.1	876.3	890.2	891.6
42.5°	811.1	815.3	831.9	841.6	841.6
45°	766.8	769.5	783.4	789.0	790.3
47.5°	716.9	719.6	732.1	734.9	734.9
50°	666.9	673.9	680.8	680.8	678.0
52.5°	621.2	622.6	630.9	625.3	622.6
55°	572.7	572.7	576.8	568.5	561.6
57.5°	524.1	524.1	524.1	513.0	507.5
60°	474.2	472.8	467.3	453.4	449.2
62.5°	427.1	422.9	414.6	400.7	392.4
65°	378.5	373.0	363.3	343.9	338.3
67.5°	332.8	323.1	312.0	294.0	284.2
70°	284.2	275.9	260.7	239.9	231.6
72.5°	237.1	228.8	216.3	195.5	183.0
75°	191.3	184.4	169.2	148.4	144.2
77.5°	147.0	142.8	127.6	117.9	116.5
80°	106.8	105.4	92.9	90.1	90.1
82.5°	70.7	69.3	65.2	65.2	63.8
85°	38.8	40.2	41.6	41.6	41.6
87.5°	13.9	16.6	19.4	19.4	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)