

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: P297954

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297954
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-35L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.0 lumens
Efficiency: N/A
Efficacy: 92.9 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

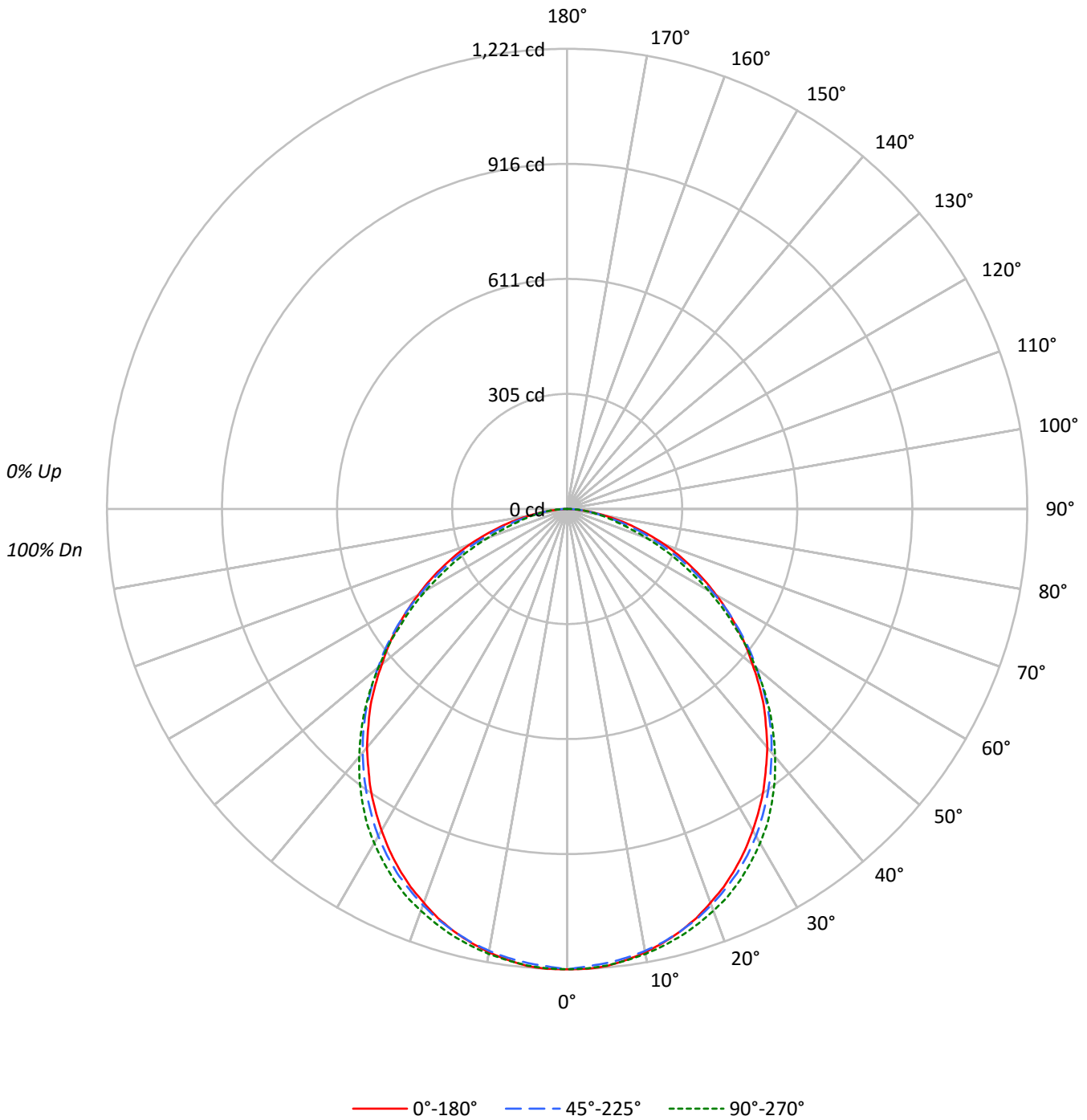
Input Watts (W): 33.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3287	3287	3287
5°	3289	3267	3285
10°	3265	3254	3275
15°	3232	3232	3265
20°	3184	3203	3249
25°	3131	3167	3226
30°	3061	3115	3181
35°	2986	3043	3113
40°	2903	2963	3015
45°	2809	2870	2896
50°	2688	2744	2732
55°	2586	2605	2536
60°	2457	2421	2328
65°	2320	2227	2074
70°	2153	1975	1754
75°	1915	1694	1443
80°	1593	1385	1345
85°	1155	1235	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	3.7
10°-20°	328.3	10.4
20°-30°	492.1	15.6
30°-40°	579.8	18.4
40°-50°	578.3	18.4
50°-60°	491.9	15.6
60°-70°	343.3	10.9
70°-80°	174.5	5.5
80°-90°	45.6	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°	935.7	29.7
0°-40°	1515.5	48.1
0°-60°	2585.6	82.1
0°-90°	3149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1217	1215	1209	1216	1216	115
15°	1160	1160	1160	1171	1172	327
25°	1054	1056	1066	1083	1087	485
35°	909	910	926	945	948	568
45°	738	741	754	760	761	568
55°	551	551	555	547	541	493
65°	364	359	350	331	326	361
75°	184	178	163	143	139	196
85°	37	39	40	40	40	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1221.4	1221.4	1221.4	1221.4	1221.4
2.5°	1221.4	1220.1	1214.7	1220.1	1220.1
5°	1217.4	1214.7	1209.4	1216.0	1216.0
7.5°	1206.7	1205.4	1201.4	1208.0	1208.0
10°	1194.7	1193.4	1190.7	1198.7	1198.7
12.5°	1178.7	1178.7	1177.3	1185.3	1186.7
15°	1160.0	1160.0	1160.0	1170.7	1172.0
17.5°	1138.6	1137.3	1141.3	1153.3	1154.6
20°	1111.9	1113.3	1118.6	1132.0	1134.6
22.5°	1085.2	1086.6	1093.2	1109.3	1113.3
25°	1054.5	1055.9	1066.5	1082.6	1086.6
27.5°	1021.2	1023.8	1035.8	1053.2	1055.9
30°	985.1	987.8	1002.5	1019.8	1023.8
32.5°	947.7	951.7	965.1	983.8	989.1
35°	909.0	910.4	926.4	945.1	947.7
37.5°	866.3	870.3	886.3	902.4	905.0
40°	826.3	828.9	843.6	857.0	858.3
42.5°	780.9	784.9	800.9	810.3	810.3
45°	738.2	740.8	754.2	759.5	760.9
47.5°	690.1	692.8	704.8	707.5	707.5
50°	642.1	648.7	655.4	655.4	652.7
52.5°	598.0	599.3	607.4	602.0	599.3
55°	551.3	551.3	555.3	547.3	540.6
57.5°	504.6	504.6	504.6	493.9	488.6
60°	456.5	455.2	449.8	436.5	432.5
62.5°	411.1	407.1	399.1	385.8	377.8
65°	364.4	359.1	349.7	331.0	325.7
67.5°	320.4	311.0	300.3	283.0	273.6
70°	273.6	265.6	251.0	230.9	222.9
72.5°	228.3	220.3	208.2	188.2	176.2
75°	184.2	177.5	162.9	142.8	138.8
77.5°	141.5	137.5	122.8	113.5	112.1
80°	102.8	101.4	89.4	86.8	86.8
82.5°	68.1	66.7	62.7	62.7	61.4
85°	37.4	38.7	40.0	40.0	40.0
87.5°	13.3	16.0	18.7	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)