

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: P297607

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

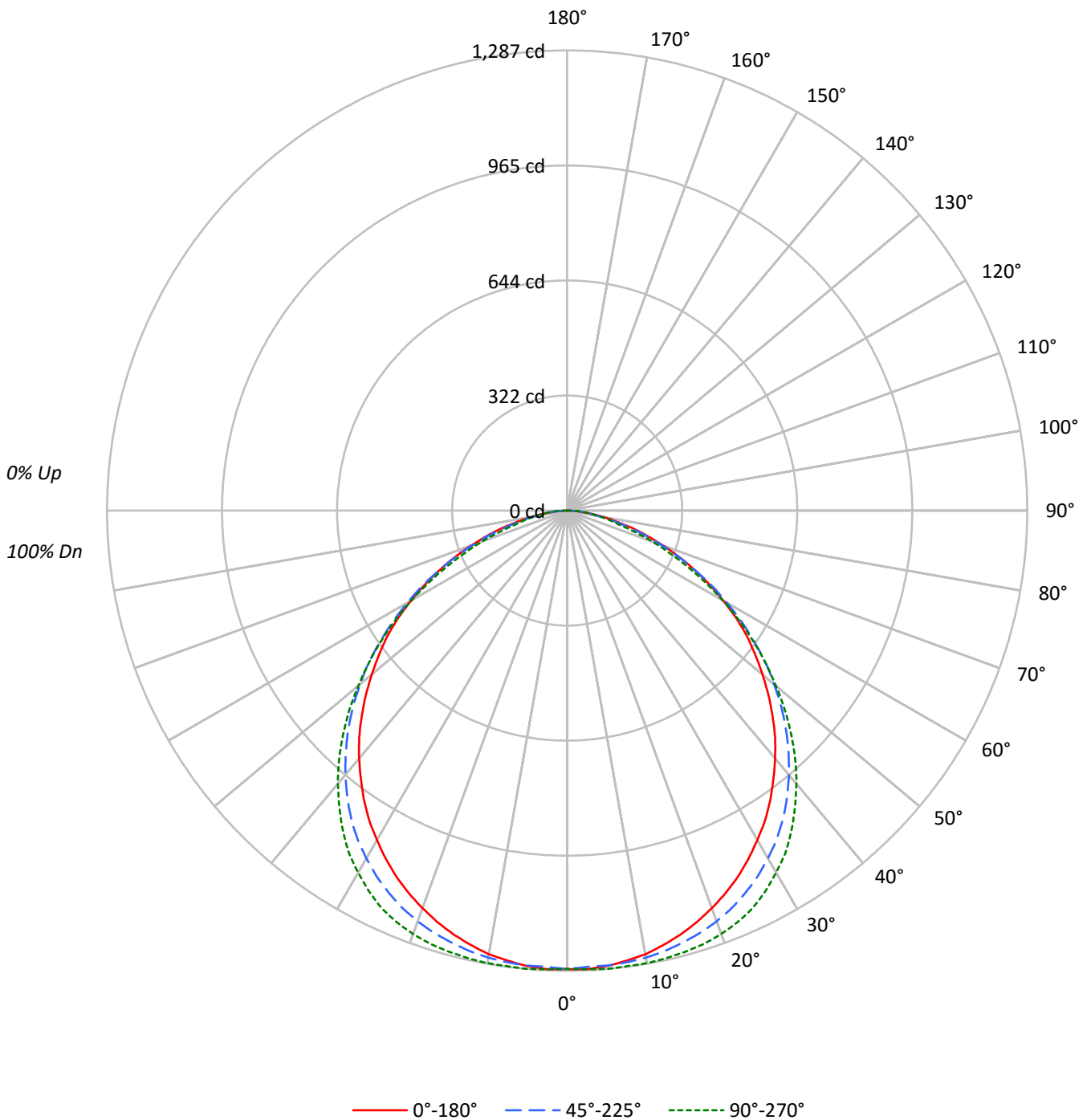
Input Watts (W): 34.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
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	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3450	3450	3450
5°	3455	3451	3476
10°	3443	3469	3512
15°	3419	3484	3559
20°	3388	3501	3609
25°	3354	3504	3644
30°	3305	3491	3632
35°	3252	3458	3593
40°	3179	3389	3505
45°	3091	3295	3373
50°	2987	3164	3190
55°	2883	2993	2978
60°	2715	2774	2706
65°	2501	2511	2371
70°	2238	2188	1991
75°	1944	1813	1536
80°	1559	1412	1412
85°	1115	1309	1359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	3.5
10°-20°	353.9	10.1
20°-30°	543.4	15.4
30°-40°	654.5	18.6
40°-50°	661.4	18.8
50°-60°	564.2	16.0
60°-70°	386.2	11.0
70°-80°	186.4	5.3
80°-90°	48.0	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°	1019.3	29.0
0°-40°	1673.8	47.6
0°-60°	2899.4	82.4
0°-90°	3520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1279	1279	1277	1285	1287	121
15°	1227	1237	1251	1273	1277	346
25°	1130	1147	1180	1215	1227	520
35°	990	1012	1053	1086	1094	619
45°	812	834	866	886	886	626
55°	614	625	638	641	635	547
65°	393	398	394	380	372	390
75°	187	187	174	154	148	199
85°	36	39	42	44	44	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.1	1282.1	1282.1	1282.1	1282.1
2.5°	1283.7	1282.1	1277.4	1283.7	1283.7
5°	1279.0	1279.0	1277.4	1285.3	1286.9
7.5°	1269.6	1272.7	1274.3	1283.7	1285.3
10°	1260.1	1263.3	1269.6	1282.1	1285.3
12.5°	1244.4	1250.7	1261.7	1279.0	1282.1
15°	1227.2	1236.6	1250.7	1272.7	1277.4
17.5°	1206.7	1219.3	1238.2	1263.3	1271.1
20°	1183.2	1197.3	1222.4	1250.7	1260.1
22.5°	1158.0	1173.7	1203.6	1236.6	1246.0
25°	1129.7	1147.0	1180.0	1214.6	1227.2
27.5°	1098.3	1117.2	1153.3	1189.4	1200.4
30°	1063.7	1084.2	1123.4	1159.6	1169.0
32.5°	1029.2	1049.6	1090.5	1125.0	1136.0
35°	989.9	1011.9	1052.7	1085.7	1093.6
37.5°	947.5	969.5	1010.3	1043.3	1046.5
40°	905.0	927.0	964.8	994.6	997.7
42.5°	861.0	881.5	916.0	941.2	944.3
45°	812.3	834.3	865.8	886.2	886.2
47.5°	763.6	785.6	812.3	826.5	826.5
50°	713.4	733.8	755.8	763.6	762.1
52.5°	663.1	681.9	700.8	702.4	699.2
55°	614.4	625.4	637.9	641.1	634.8
57.5°	560.9	570.4	578.2	573.5	568.8
60°	504.4	513.8	515.4	507.5	502.8
62.5°	449.4	457.2	457.2	444.7	436.8
65°	392.8	397.5	394.4	380.2	372.4
67.5°	339.4	342.5	336.2	322.1	309.5
70°	284.4	286.0	278.1	260.8	253.0
72.5°	234.1	235.7	226.3	205.8	196.4
75°	187.0	187.0	174.4	154.0	147.7
77.5°	139.8	144.6	130.4	119.4	119.4
80°	100.6	105.3	91.1	92.7	91.1
82.5°	66.0	70.7	66.0	66.0	66.0
85°	36.1	39.3	42.4	44.0	44.0
87.5°	11.0	18.9	20.4	22.0	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)