

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: P298032

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
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-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3406.0 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

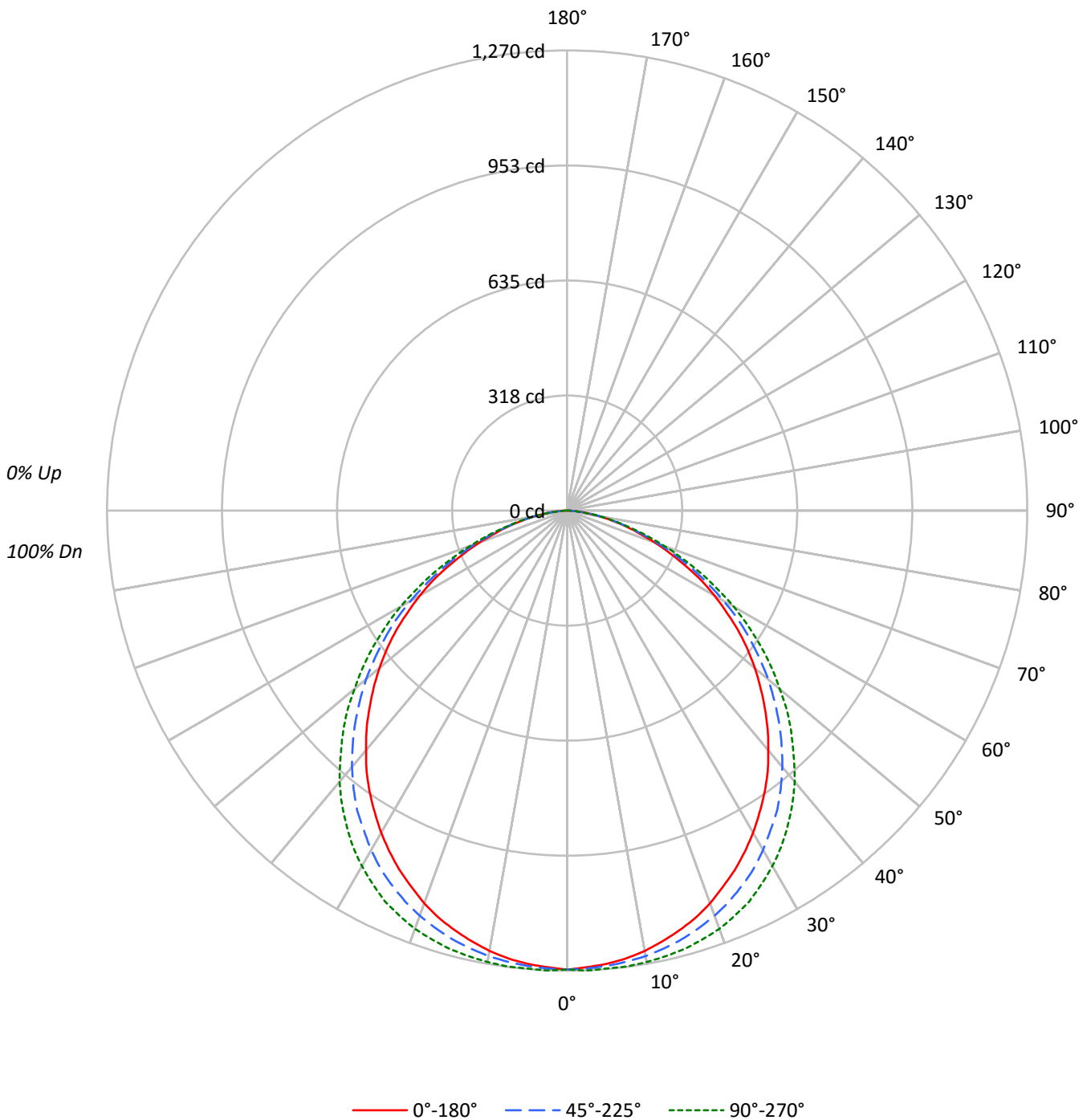
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93		95	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	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	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	31	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°	3409	3409	3409
5°	3392	3407	3427
10°	3371	3412	3457
15°	3340	3412	3489
20°	3302	3407	3517
25°	3250	3391	3533
30°	3190	3361	3521
35°	3120	3319	3487
40°	3033	3246	3433
45°	2937	3146	3335
50°	2832	3032	3208
55°	2701	2882	3062
60°	2526	2684	2862
65°	2288	2428	2580
70°	2020	2120	2236
75°	1734	1773	1849
80°	1392	1421	1449
85°	1019	905	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.5
10°-20°	345.8	10.2
20°-30°	526.0	15.4
30°-40°	629.3	18.5
40°-50°	636.2	18.7
50°-60°	547.5	16.1
60°-70°	378.0	11.1
70°-80°	183.3	5.4
80°-90°	39.7	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°	991.9	29.1
0°-40°	1621.2	47.6
0°-60°	2805.0	82.4
0°-90°	3406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1256	1258	1261	1267	1269	119
15°	1199	1206	1225	1243	1252	338
25°	1094	1107	1142	1177	1190	504
35°	950	966	1010	1047	1062	594
45°	772	786	827	862	876	595
55°	576	585	614	642	653	513
65°	359	365	381	398	405	358
75°	167	163	170	176	178	177
85°	33	33	29	29	29	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.8	1266.8	1266.8	1266.8	1266.8
2.5°	1261.3	1261.3	1265.0	1268.7	1270.5
5°	1255.8	1257.7	1261.3	1266.8	1268.7
7.5°	1246.7	1248.5	1255.8	1265.0	1268.7
10°	1233.8	1237.5	1248.5	1259.5	1265.0
12.5°	1217.3	1224.7	1237.5	1252.2	1259.5
15°	1199.0	1206.3	1224.7	1243.0	1252.2
17.5°	1178.8	1186.2	1208.2	1232.0	1241.2
20°	1153.2	1164.2	1189.8	1217.3	1228.3
22.5°	1123.8	1138.5	1167.8	1197.2	1210.0
25°	1094.5	1107.3	1142.2	1177.0	1189.8
27.5°	1061.5	1076.2	1114.7	1149.5	1162.3
30°	1026.7	1041.3	1081.7	1120.2	1133.0
32.5°	988.2	1006.5	1045.0	1085.3	1100.0
35°	949.7	966.2	1010.2	1046.8	1061.5
37.5°	909.3	924.0	968.0	1006.5	1021.2
40°	863.5	880.0	924.0	962.5	977.2
42.5°	819.5	836.0	876.3	913.0	925.8
45°	771.8	786.5	826.8	861.7	876.3
47.5°	724.2	740.7	775.5	810.3	825.0
50°	676.5	689.3	724.2	757.2	766.3
52.5°	627.0	638.0	669.2	698.5	711.3
55°	575.7	584.8	614.2	641.7	652.7
57.5°	520.7	531.7	559.2	579.3	592.2
60°	469.3	474.8	498.7	518.8	531.7
62.5°	418.0	419.8	438.2	458.3	465.7
65°	359.3	364.8	381.3	397.8	405.2
67.5°	306.2	311.7	324.5	337.3	342.8
70°	256.7	256.7	269.5	278.7	284.2
72.5°	207.2	209.0	218.2	223.7	229.2
75°	166.8	163.2	170.5	176.0	177.8
77.5°	124.7	122.8	128.3	130.2	133.8
80°	89.8	89.8	91.7	93.5	93.5
82.5°	58.7	58.7	60.5	56.8	55.0
85°	33.0	33.0	29.3	29.3	29.3
87.5°	11.0	11.0	11.0	12.8	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)