

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: P298012

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298012
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-25L82765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2317.0 lumens
Efficiency: N/A
Efficacy: 120.1 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

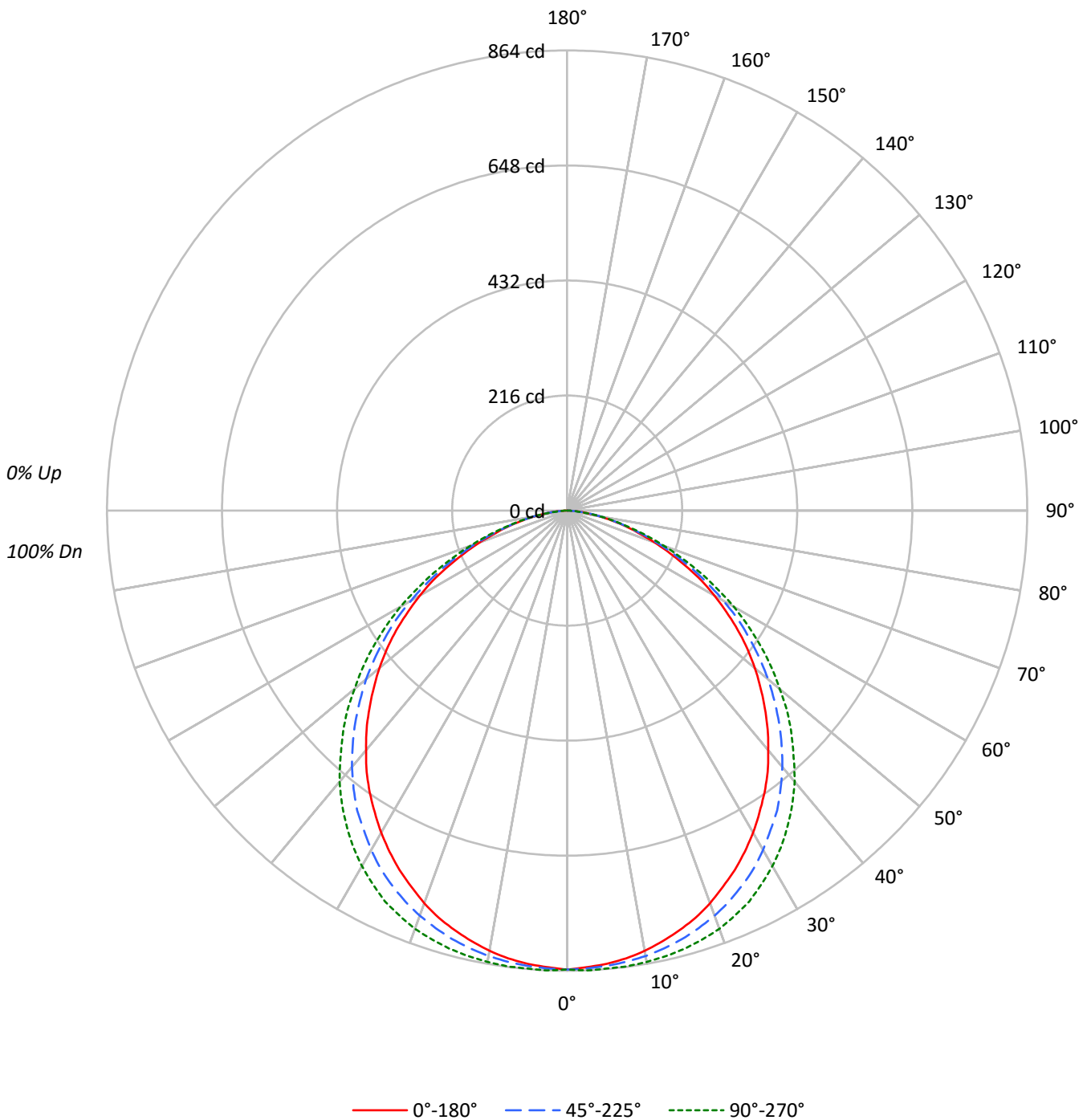
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2319	2319	2319
5°	2308	2318	2331
10°	2293	2321	2351
15°	2272	2321	2373
20°	2247	2318	2393
25°	2211	2307	2403
30°	2170	2286	2395
35°	2122	2258	2372
40°	2063	2208	2335
45°	1998	2141	2269
50°	1927	2062	2182
55°	1837	1960	2083
60°	1718	1826	1947
65°	1556	1652	1755
70°	1374	1442	1521
75°	1180	1206	1258
80°	947	967	986
85°	692	618	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	3.5
10°-20°	235.3	10.2
20°-30°	357.8	15.4
30°-40°	428.1	18.5
40°-50°	432.8	18.7
50°-60°	372.5	16.1
60°-70°	257.1	11.1
70°-80°	124.7	5.4
80°-90°	27.1	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°	674.7	29.1
0°-40°	1102.9	47.6
0°-60°	1908.1	82.4
0°-90°	2317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	862	862	862	862	862	
5°	854	856	858	862	863	81
15°	816	821	833	846	852	230
25°	745	753	777	801	809	343
35°	646	657	687	712	722	404
45°	525	535	562	586	596	405
55°	392	398	418	436	444	349
65°	244	248	259	271	276	243
75°	114	111	116	120	121	120
85°	22	22	20	20	20	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	861.8	861.8	861.8	861.8	861.8
2.5°	858.0	858.0	860.5	863.0	864.3
5°	854.3	855.6	858.0	861.8	863.0
7.5°	848.1	849.3	854.3	860.5	863.0
10°	839.3	841.8	849.3	856.8	860.5
12.5°	828.1	833.1	841.8	851.8	856.8
15°	815.6	820.6	833.1	845.6	851.8
17.5°	801.9	806.9	821.9	838.1	844.3
20°	784.5	791.9	809.4	828.1	835.6
22.5°	764.5	774.5	794.4	814.4	823.1
25°	744.6	753.3	777.0	800.7	809.4
27.5°	722.1	732.1	758.3	782.0	790.7
30°	698.4	708.4	735.8	762.0	770.7
32.5°	672.2	684.7	710.9	738.3	748.3
35°	646.0	657.3	687.2	712.1	722.1
37.5°	618.6	628.6	658.5	684.7	694.7
40°	587.4	598.6	628.6	654.8	664.7
42.5°	557.5	568.7	596.1	621.1	629.8
45°	525.1	535.0	562.5	586.2	596.1
47.5°	492.6	503.9	527.5	551.2	561.2
50°	460.2	468.9	492.6	515.1	521.3
52.5°	426.5	434.0	455.2	475.2	483.9
55°	391.6	397.8	417.8	436.5	444.0
57.5°	354.2	361.7	380.4	394.1	402.8
60°	319.3	323.0	339.2	352.9	361.7
62.5°	284.4	285.6	298.1	311.8	316.8
65°	244.4	248.2	259.4	270.6	275.6
67.5°	208.3	212.0	220.7	229.5	233.2
70°	174.6	174.6	183.3	189.6	193.3
72.5°	140.9	142.2	148.4	152.2	155.9
75°	113.5	111.0	116.0	119.7	121.0
77.5°	84.8	83.6	87.3	88.5	91.0
80°	61.1	61.1	62.4	63.6	63.6
82.5°	39.9	39.9	41.2	38.7	37.4
85°	22.4	22.4	20.0	20.0	20.0
87.5°	7.5	7.5	7.5	8.7	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)