

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: P298110

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298110
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-35L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2567.0 lumens
Efficiency: N/A
Efficacy: 92.3 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

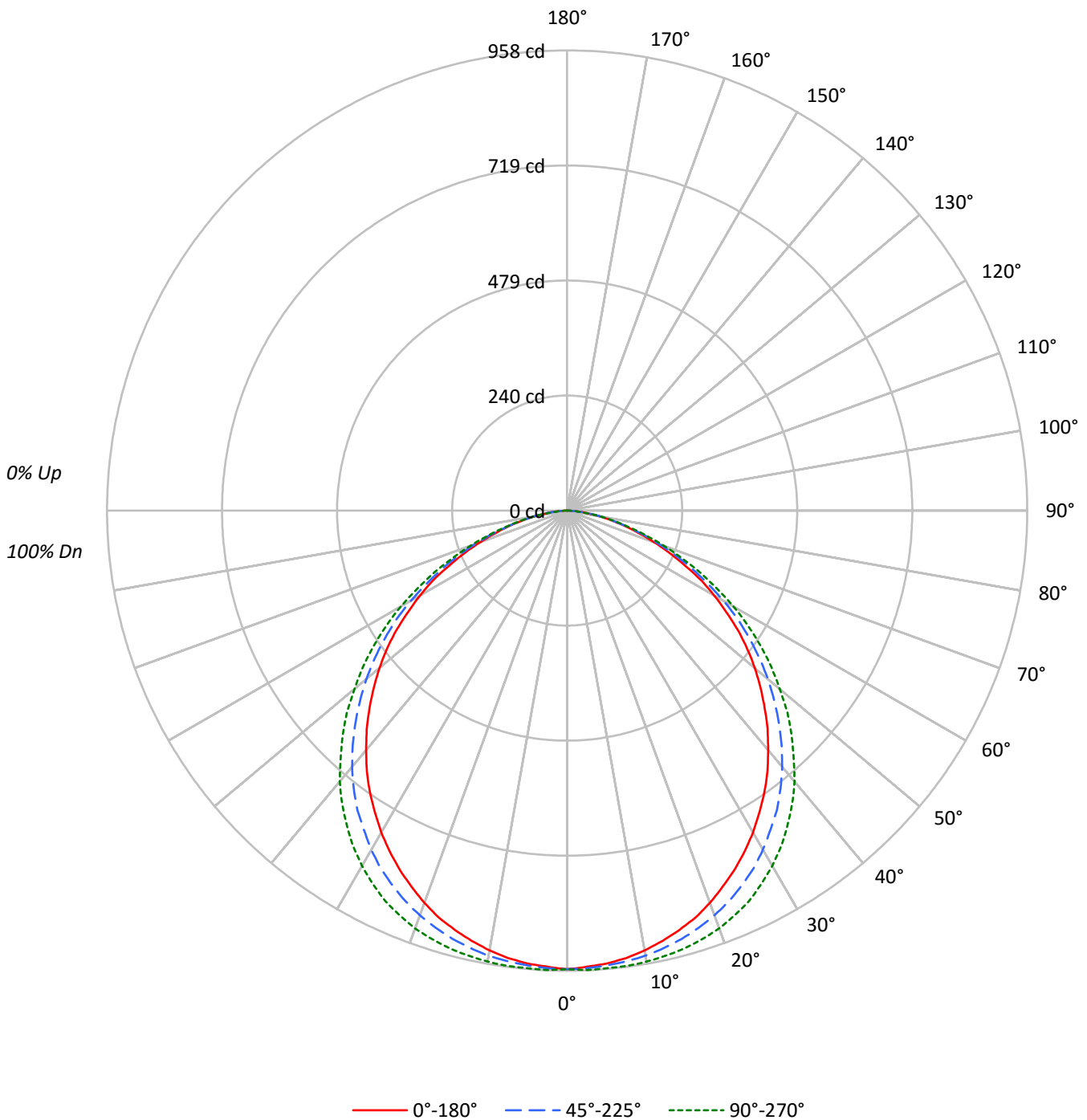
Input Watts (W): 27.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2569	2569	2569
5°	2557	2568	2583
10°	2541	2571	2605
15°	2517	2571	2629
20°	2489	2568	2651
25°	2449	2556	2662
30°	2404	2533	2653
35°	2351	2501	2628
40°	2286	2446	2587
45°	2214	2372	2514
50°	2135	2285	2418
55°	2036	2172	2308
60°	1904	2023	2157
65°	1724	1830	1945
70°	1522	1598	1685
75°	1307	1336	1393
80°	1049	1071	1093
85°	769	682	682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.5
10°-20°	260.6	10.2
20°-30°	396.4	15.4
30°-40°	474.3	18.5
40°-50°	479.5	18.7
50°-60°	412.6	16.1
60°-70°	284.9	11.1
70°-80°	138.1	5.4
80°-90°	30.0	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°	747.6	29.1
0°-40°	1221.9	47.6
0°-60°	2114.0	82.4
0°-90°	2567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	955	955	955	955	955	
5°	946	948	951	955	956	90
15°	904	909	923	937	944	255
25°	825	835	861	887	897	380
35°	716	728	761	789	800	447
45°	582	593	623	649	660	449
55°	434	441	463	484	492	387
65°	271	275	287	300	305	269
75°	126	123	128	133	134	133
85°	25	25	22	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.8	954.8	954.8	954.8	954.8
2.5°	950.6	950.6	953.4	956.2	957.5
5°	946.5	947.9	950.6	954.8	956.2
7.5°	939.6	941.0	946.5	953.4	956.2
10°	929.9	932.7	941.0	949.2	953.4
12.5°	917.5	923.0	932.7	943.7	949.2
15°	903.6	909.2	923.0	936.8	943.7
17.5°	888.5	894.0	910.6	928.5	935.4
20°	869.1	877.4	896.7	917.5	925.8
22.5°	847.0	858.1	880.2	902.3	911.9
25°	824.9	834.6	860.8	887.1	896.7
27.5°	800.0	811.1	840.1	866.3	876.0
30°	773.8	784.8	815.2	844.2	853.9
32.5°	744.8	758.6	787.6	818.0	829.0
35°	715.7	728.2	761.3	789.0	800.0
37.5°	685.3	696.4	729.6	758.6	769.6
40°	650.8	663.2	696.4	725.4	736.5
42.5°	617.6	630.1	660.5	688.1	697.8
45°	581.7	592.8	623.2	649.4	660.5
47.5°	545.8	558.2	584.5	610.7	621.8
50°	509.9	519.5	545.8	570.7	577.6
52.5°	472.6	480.8	504.3	526.4	536.1
55°	433.9	440.8	462.9	483.6	491.9
57.5°	392.4	400.7	421.4	436.6	446.3
60°	353.7	357.9	375.8	391.0	400.7
62.5°	315.0	316.4	330.2	345.4	351.0
65°	270.8	275.0	287.4	299.8	305.4
67.5°	230.7	234.9	244.6	254.2	258.4
70°	193.4	193.4	203.1	210.0	214.2
72.5°	156.1	157.5	164.4	168.6	172.7
75°	125.7	123.0	128.5	132.6	134.0
77.5°	94.0	92.6	96.7	98.1	100.9
80°	67.7	67.7	69.1	70.5	70.5
82.5°	44.2	44.2	45.6	42.8	41.5
85°	24.9	24.9	22.1	22.1	22.1
87.5°	8.3	8.3	8.3	9.7	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)