

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: P297665

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297665
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-31L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2617.0 lumens
Efficiency: N/A
Efficacy: 91.5 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

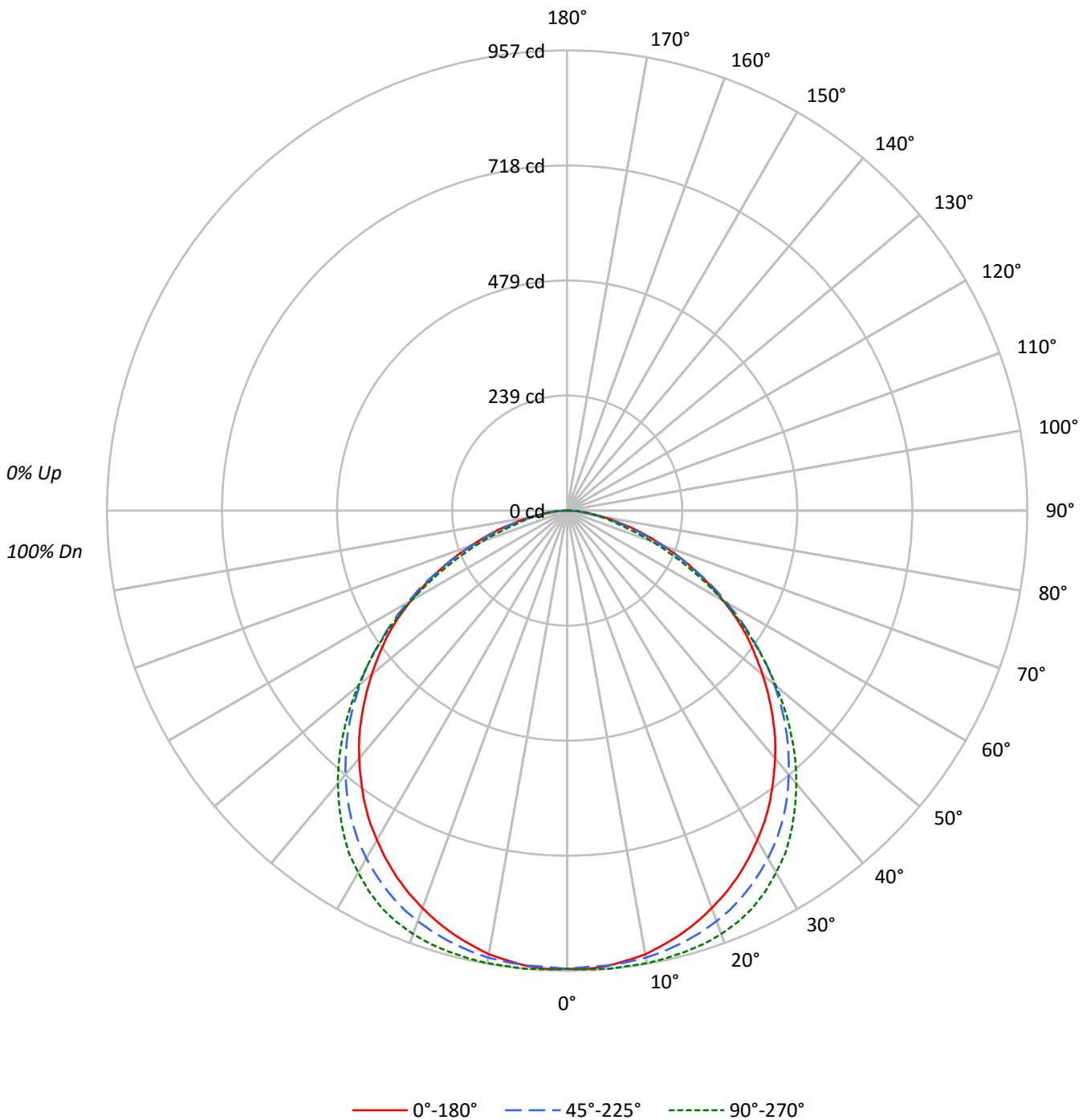
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2565	2565	2565
5°	2569	2565	2584
10°	2560	2579	2611
15°	2542	2591	2646
20°	2519	2603	2683
25°	2494	2605	2709
30°	2458	2595	2701
35°	2418	2571	2671
40°	2364	2520	2606
45°	2298	2450	2508
50°	2220	2352	2372
55°	2143	2225	2214
60°	2018	2062	2012
65°	1859	1867	1763
70°	1663	1627	1480
75°	1445	1349	1142
80°	1159	1051	1051
85°	831	973	1010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.5
10°-20°	263.1	10.1
20°-30°	404.0	15.4
30°-40°	486.6	18.6
40°-50°	491.7	18.8
50°-60°	419.4	16.0
60°-70°	287.1	11.0
70°-80°	138.6	5.3
80°-90°	35.7	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°	757.8	29.0
0°-40°	1244.4	47.6
0°-60°	2155.6	82.4
0°-90°	2617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	951	951	950	956	957	90
15°	912	919	930	946	950	257
25°	840	853	877	903	912	387
35°	736	752	783	807	813	460
45°	604	620	644	659	659	466
55°	457	465	474	477	472	407
65°	292	296	293	283	277	290
75°	139	139	130	114	110	148
85°	27	29	32	33	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.2	953.2	953.2	953.2	953.2
2.5°	954.4	953.2	949.7	954.4	954.4
5°	950.9	950.9	949.7	955.6	956.7
7.5°	943.9	946.2	947.4	954.4	955.6
10°	936.9	939.2	943.9	953.2	955.6
12.5°	925.2	929.9	938.0	950.9	953.2
15°	912.3	919.4	929.9	946.2	949.7
17.5°	897.2	906.5	920.5	939.2	945.1
20°	879.6	890.2	908.8	929.9	936.9
22.5°	860.9	872.6	894.8	919.4	926.4
25°	839.9	852.8	877.3	903.0	912.3
27.5°	816.6	830.6	857.4	884.3	892.5
30°	790.9	806.0	835.2	862.1	869.1
32.5°	765.2	780.3	810.7	836.4	844.6
35°	736.0	752.3	782.7	807.2	813.1
37.5°	704.4	720.8	751.1	775.7	778.0
40°	672.9	689.2	717.3	739.5	741.8
42.5°	640.2	655.3	681.0	699.7	702.1
45°	603.9	620.3	643.7	658.9	658.9
47.5°	567.7	584.1	603.9	614.5	614.5
50°	530.4	545.5	561.9	567.7	566.6
52.5°	493.0	507.0	521.0	522.2	519.8
55°	456.8	464.9	474.3	476.6	471.9
57.5°	417.0	424.0	429.9	426.4	422.9
60°	375.0	382.0	383.2	377.3	373.8
62.5°	334.1	339.9	339.9	330.6	324.8
65°	292.0	295.5	293.2	282.7	276.9
67.5°	252.3	254.7	250.0	239.5	230.1
70°	211.4	212.6	206.8	193.9	188.1
72.5°	174.1	175.2	168.2	153.0	146.0
75°	139.0	139.0	129.7	114.5	109.8
77.5°	104.0	107.5	97.0	88.8	88.8
80°	74.8	78.3	67.8	68.9	67.8
82.5°	49.1	52.6	49.1	49.1	49.1
85°	26.9	29.2	31.5	32.7	32.7
87.5°	8.2	14.0	15.2	16.4	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)