

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: P296823

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5935.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

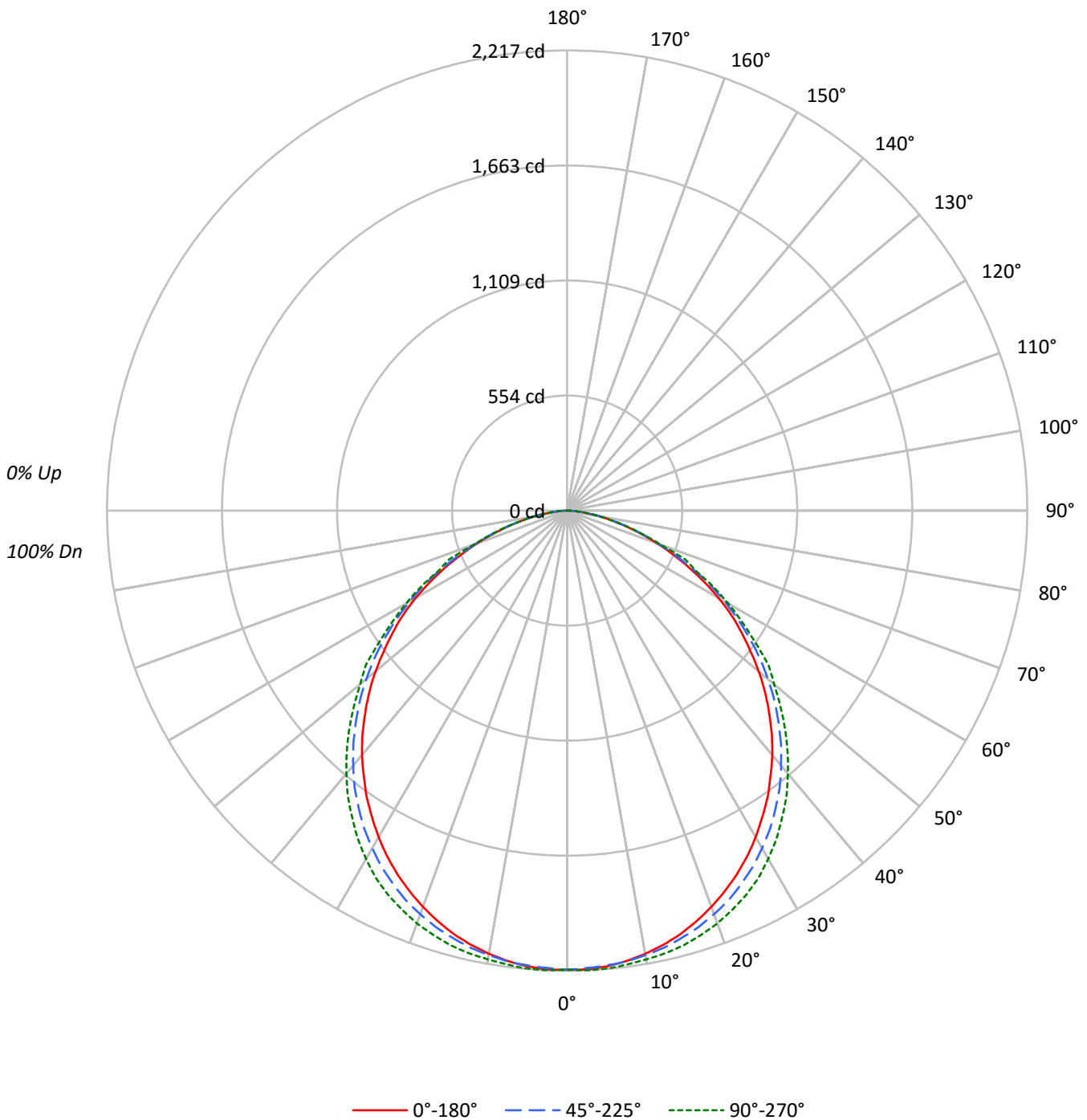
Input Watts (W): 48.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	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	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2977	2977	2977
5°	2977	2971	2991
10°	2962	2970	3000
15°	2942	2969	3020
20°	2909	2964	3031
25°	2871	2946	3032
30°	2822	2918	3011
35°	2767	2875	2966
40°	2700	2816	2906
45°	2618	2739	2824
50°	2523	2643	2723
55°	2408	2518	2593
60°	2269	2355	2412
65°	2061	2129	2169
70°	1810	1851	1876
75°	1528	1550	1561
80°	1221	1237	1205
85°	821	855	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	3.5
10°-20°	603.0	10.2
20°-30°	914.9	15.4
30°-40°	1092.3	18.4
40°-50°	1105.8	18.6
50°-60°	955.8	16.1
60°-70°	662.5	11.2
70°-80°	320.5	5.4
80°-90°	70.5	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°	1727.6	29.1
0°-40°	2819.8	47.5
0°-60°	4881.5	82.2
0°-90°	5935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2212	2212	2212	2212	2212	
5°	2204	2202	2200	2210	2215	209
15°	2112	2117	2132	2157	2168	595
25°	1934	1946	1985	2025	2042	890
35°	1684	1699	1750	1795	1806	1052
45°	1376	1395	1440	1476	1484	1061
55°	1026	1037	1073	1118	1105	917
65°	647	654	669	679	681	641
75°	294	296	298	296	300	315
85°	53	58	55	53	53	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2212.5	2212.5	2212.5	2212.5	2212.5
2.5°	2212.5	2210.4	2206.1	2212.5	2216.8
5°	2204.0	2201.9	2199.7	2210.4	2214.7
7.5°	2189.1	2189.1	2191.2	2201.9	2206.1
10°	2167.8	2169.9	2174.2	2191.2	2195.5
12.5°	2142.3	2146.5	2157.2	2176.3	2184.8
15°	2112.4	2116.7	2131.6	2157.2	2167.8
17.5°	2074.1	2082.6	2103.9	2133.7	2144.4
20°	2031.5	2042.2	2069.9	2103.9	2116.7
22.5°	1984.7	1995.3	2031.5	2067.7	2080.5
25°	1933.6	1946.3	1984.7	2025.1	2042.2
27.5°	1878.2	1893.1	1935.7	1978.3	1995.3
30°	1816.4	1833.5	1878.2	1922.9	1937.8
32.5°	1750.4	1767.5	1818.6	1861.2	1876.1
35°	1684.4	1699.3	1750.4	1795.1	1805.8
37.5°	1609.9	1626.9	1682.3	1720.6	1735.5
40°	1537.5	1554.5	1603.5	1641.8	1654.6
42.5°	1458.7	1475.7	1524.7	1560.9	1571.6
45°	1375.6	1394.8	1439.5	1475.7	1484.2
47.5°	1292.6	1307.5	1354.3	1386.3	1392.7
50°	1205.3	1220.2	1262.8	1294.7	1301.1
52.5°	1113.7	1137.1	1171.2	1194.6	1222.3
55°	1026.4	1037.1	1073.3	1118.0	1105.2
57.5°	939.1	945.5	975.3	994.5	998.7
60°	843.3	851.8	875.2	885.9	896.5
62.5°	743.2	749.6	777.3	787.9	792.2
65°	647.4	653.7	668.7	679.3	681.4
67.5°	549.4	555.8	568.6	577.1	615.4
70°	460.0	464.2	470.6	487.7	477.0
72.5°	374.8	376.9	383.3	383.3	385.4
75°	293.9	296.0	298.1	296.0	300.3
77.5°	219.3	223.6	225.7	223.6	221.5
80°	157.6	161.8	159.7	155.5	155.5
82.5°	102.2	104.3	102.2	100.1	100.1
85°	53.2	57.5	55.4	53.2	53.2
87.5°	19.2	21.3	23.4	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)