

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: P296824

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296824
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6140.0 lumens
Efficiency: N/A
Efficacy: 125.8 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

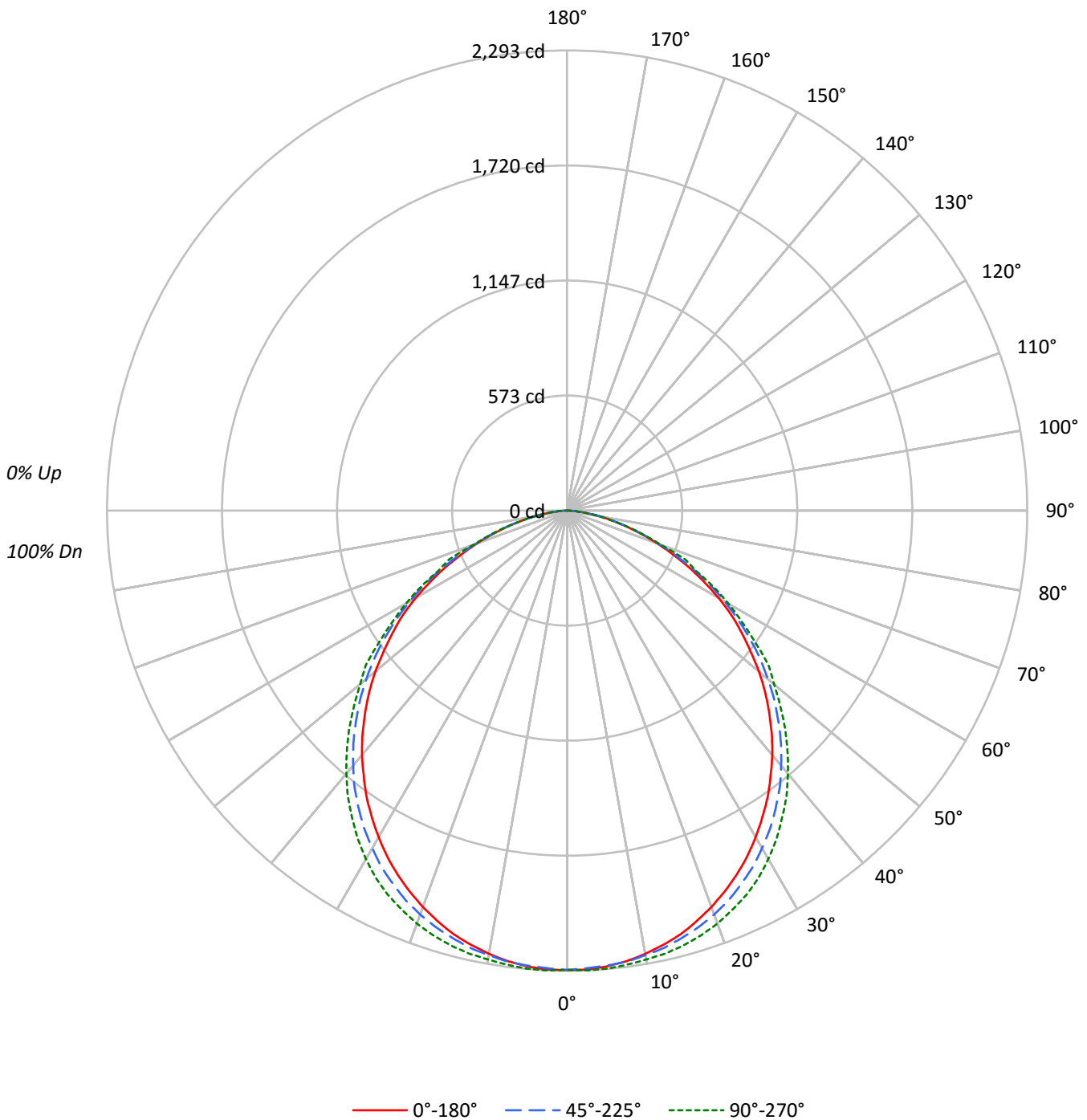
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3080	3080	3080
5°	3080	3074	3095
10°	3064	3073	3103
15°	3044	3072	3124
20°	3009	3066	3135
25°	2970	3048	3136
30°	2920	3019	3115
35°	2862	2974	3069
40°	2794	2914	3007
45°	2708	2834	2922
50°	2610	2735	2818
55°	2491	2605	2682
60°	2348	2436	2496
65°	2132	2202	2245
70°	1872	1915	1941
75°	1580	1603	1615
80°	1263	1280	1246
85°	851	885	851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	3.5
10°-20°	623.8	10.2
20°-30°	946.5	15.4
30°-40°	1130.0	18.4
40°-50°	1144.0	18.6
50°-60°	988.9	16.1
60°-70°	685.4	11.2
70°-80°	331.6	5.4
80°-90°	72.9	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°	1787.2	29.1
0°-40°	2917.2	47.5
0°-60°	5050.1	82.2
0°-90°	6140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2289	2289	2289	2289	2289	
5°	2280	2278	2276	2287	2291	216
15°	2185	2190	2205	2232	2243	616
25°	2000	2014	2053	2095	2113	921
35°	1743	1758	1811	1857	1868	1089
45°	1423	1443	1489	1527	1536	1098
55°	1062	1073	1110	1157	1143	949
65°	670	676	692	703	705	663
75°	304	306	308	306	311	326
85°	55	60	57	55	55	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2288.9	2288.9	2288.9	2288.9	2288.9
2.5°	2288.9	2286.7	2282.3	2288.9	2293.4
5°	2280.1	2277.9	2275.7	2286.7	2291.2
7.5°	2264.7	2264.7	2266.9	2277.9	2282.3
10°	2242.7	2244.9	2249.3	2266.9	2271.3
12.5°	2216.2	2220.7	2231.7	2251.5	2260.3
15°	2185.4	2189.8	2205.2	2231.7	2242.7
17.5°	2145.8	2154.6	2176.6	2207.4	2218.5
20°	2101.7	2112.7	2141.3	2176.6	2189.8
22.5°	2053.2	2064.2	2101.7	2139.1	2152.4
25°	2000.4	2013.6	2053.2	2095.1	2112.7
27.5°	1943.1	1958.5	2002.6	2046.6	2064.2
30°	1879.2	1896.8	1943.1	1989.3	2004.8
32.5°	1810.9	1828.5	1881.4	1925.4	1940.9
35°	1742.6	1758.0	1810.9	1857.2	1868.2
37.5°	1665.5	1683.1	1740.4	1780.0	1795.5
40°	1590.6	1608.2	1658.9	1698.5	1711.8
42.5°	1509.1	1526.7	1577.4	1614.8	1625.8
45°	1423.2	1443.0	1489.2	1526.7	1535.5
47.5°	1337.2	1352.7	1401.1	1434.2	1440.8
50°	1246.9	1262.3	1306.4	1339.4	1346.1
52.5°	1152.2	1176.4	1211.7	1235.9	1264.5
55°	1061.9	1072.9	1110.3	1156.6	1143.4
57.5°	971.5	978.1	1009.0	1028.8	1033.2
60°	872.4	881.2	905.4	916.5	927.5
62.5°	768.9	775.5	804.1	815.1	819.5
65°	669.7	676.3	691.8	702.8	705.0
67.5°	568.4	575.0	588.2	597.0	636.7
70°	475.9	480.3	486.9	504.5	493.5
72.5°	387.7	389.9	396.5	396.5	398.7
75°	304.0	306.2	308.4	306.2	310.6
77.5°	226.9	231.3	233.5	231.3	229.1
80°	163.0	167.4	165.2	160.8	160.8
82.5°	105.7	107.9	105.7	103.5	103.5
85°	55.1	59.5	57.3	55.1	55.1
87.5°	19.8	22.0	24.2	26.4	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)