

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: P296826

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296826
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-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6386.0 lumens
Efficiency: N/A
Efficacy: 128.8 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

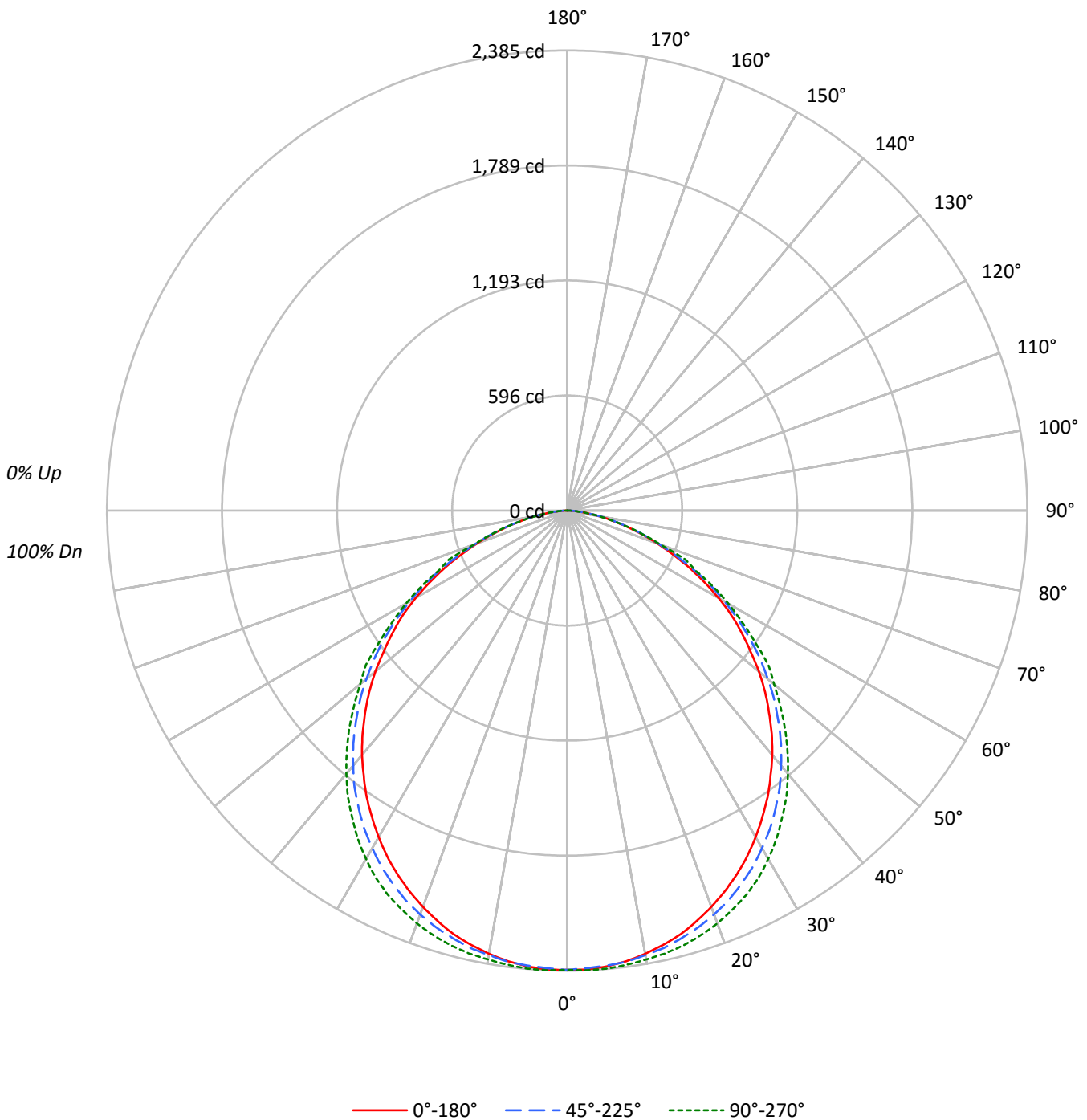
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3203	3203	3203
5°	3203	3197	3218
10°	3187	3196	3227
15°	3166	3195	3249
20°	3130	3189	3261
25°	3089	3170	3262
30°	3037	3140	3239
35°	2977	3094	3191
40°	2906	3030	3127
45°	2817	2947	3039
50°	2715	2844	2930
55°	2591	2709	2790
60°	2442	2534	2596
65°	2218	2291	2334
70°	1947	1992	2019
75°	1644	1668	1680
80°	1314	1331	1296
85°	885	920	885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.5
10°-20°	648.8	10.2
20°-30°	984.4	15.4
30°-40°	1175.3	18.4
40°-50°	1189.8	18.6
50°-60°	1028.5	16.1
60°-70°	712.8	11.2
70°-80°	344.9	5.4
80°-90°	75.8	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°	1858.8	29.1
0°-40°	3034.1	47.5
0°-60°	5252.4	82.2
0°-90°	6386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2381	2381	2381	2381	2381	
5°	2372	2369	2367	2378	2383	225
15°	2273	2278	2294	2321	2332	641
25°	2080	2094	2136	2179	2197	958
35°	1812	1828	1883	1932	1943	1132
45°	1480	1501	1549	1588	1597	1142
55°	1104	1116	1155	1203	1189	987
65°	697	703	720	731	733	689
75°	316	318	321	318	323	339
85°	57	62	60	57	57	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2380.7	2380.7	2380.7	2380.7	2380.7
2.5°	2380.7	2378.4	2373.8	2380.7	2385.2
5°	2371.5	2369.2	2366.9	2378.4	2382.9
7.5°	2355.5	2355.5	2357.7	2369.2	2373.8
10°	2332.5	2334.8	2339.4	2357.7	2362.3
12.5°	2305.0	2309.6	2321.1	2341.7	2350.9
15°	2273.0	2277.5	2293.6	2321.1	2332.5
17.5°	2231.7	2240.9	2263.8	2295.9	2307.3
20°	2185.9	2197.4	2227.1	2263.8	2277.5
22.5°	2135.5	2146.9	2185.9	2224.8	2238.6
25°	2080.5	2094.2	2135.5	2179.0	2197.4
27.5°	2020.9	2037.0	2082.8	2128.6	2146.9
30°	1954.5	1972.8	2020.9	2069.0	2085.1
32.5°	1883.4	1901.8	1956.8	2002.6	2018.6
35°	1812.4	1828.5	1883.4	1931.6	1943.0
37.5°	1732.2	1750.5	1810.1	1851.4	1867.4
40°	1654.3	1672.6	1725.3	1766.6	1780.3
42.5°	1569.5	1587.9	1640.6	1679.5	1691.0
45°	1480.2	1500.8	1548.9	1587.9	1597.0
47.5°	1390.8	1406.9	1457.3	1491.6	1498.5
50°	1296.9	1312.9	1358.7	1393.1	1400.0
52.5°	1198.3	1223.6	1260.2	1285.4	1315.2
55°	1104.4	1115.9	1154.8	1202.9	1189.2
57.5°	1010.5	1017.3	1049.4	1070.0	1074.6
60°	907.4	916.5	941.7	953.2	964.6
62.5°	799.7	806.5	836.3	847.8	852.4
65°	696.6	703.4	719.5	730.9	733.2
67.5°	591.2	598.0	611.8	620.9	662.2
70°	494.9	499.5	506.4	524.7	513.2
72.5°	403.3	405.6	412.4	412.4	414.7
75°	316.2	318.5	320.8	318.5	323.1
77.5°	236.0	240.6	242.9	240.6	238.3
80°	169.6	174.1	171.8	167.3	167.3
82.5°	110.0	112.3	110.0	107.7	107.7
85°	57.3	61.9	59.6	57.3	57.3
87.5°	20.6	22.9	25.2	27.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)