

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: P297375

Luminaire Tested: **D3X-WO-60L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-60L82765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5884.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

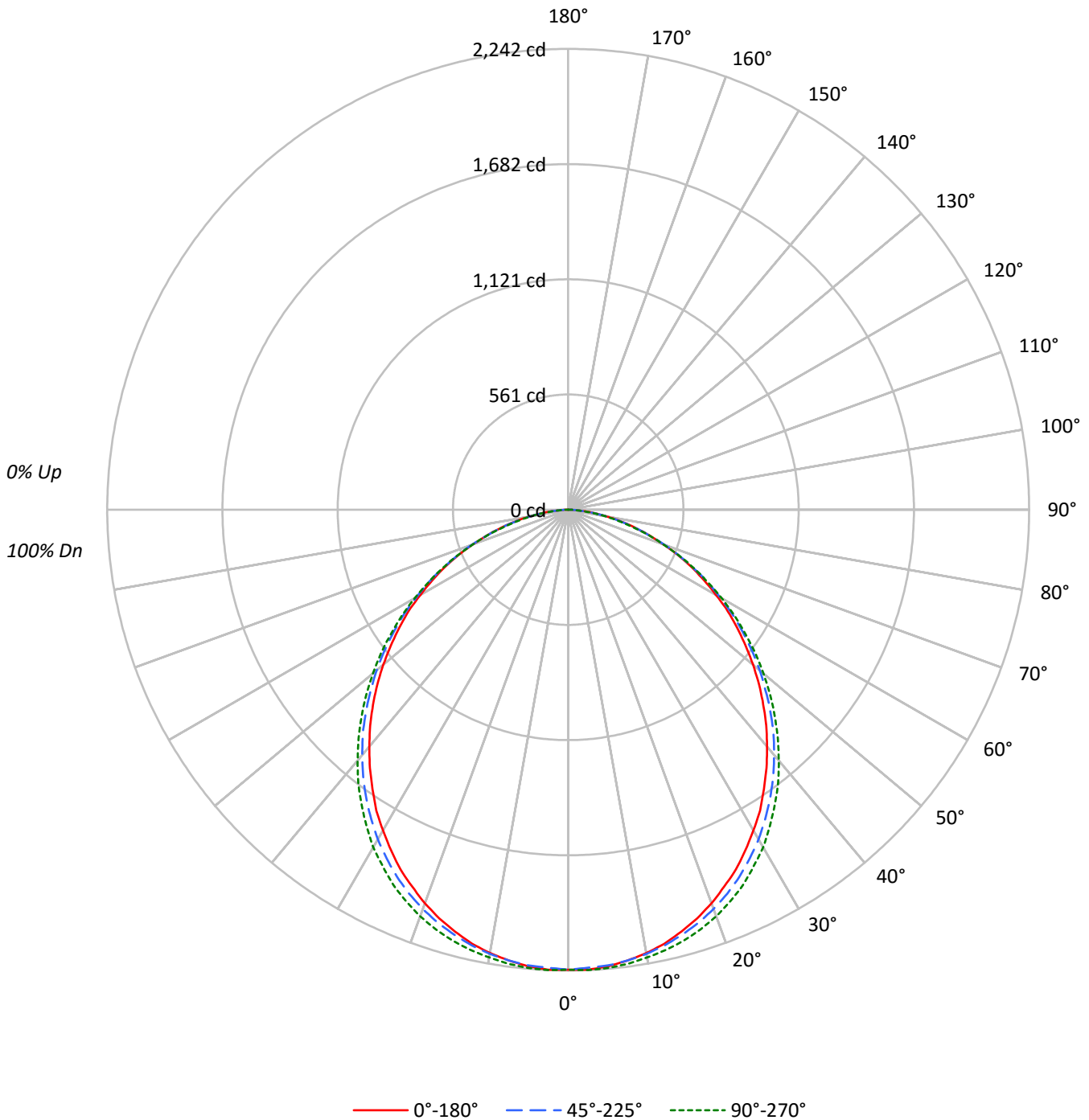
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	3011	3011	3011
5°	3012	3006	3022
10°	2992	2998	3022
15°	2960	2982	3023
20°	2918	2960	3014
25°	2866	2925	2990
30°	2799	2876	2947
35°	2725	2813	2878
40°	2642	2736	2799
45°	2553	2648	2704
50°	2456	2547	2593
55°	2353	2427	2464
60°	2235	2294	2320
65°	2108	2139	2152
70°	1934	1957	1934
75°	1742	1731	1680
80°	1475	1459	1413
85°	1102	1071	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	3.6
10°-20°	605.2	10.3
20°-30°	907.5	15.4
30°-40°	1068.7	18.2
40°-50°	1068.9	18.2
50°-60°	922.2	15.7
60°-70°	663.6	11.3
70°-80°	352.0	6.0
80°-90°	84.0	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°	1724.6	29.3
0°-40°	2793.3	47.5
0°-60°	4784.4	81.3
0°-90°	5884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2238	2238	2238	2238	2238	
5°	2230	2228	2226	2234	2238	212
15°	2125	2131	2141	2162	2170	599
25°	1931	1942	1970	2004	2014	888
35°	1659	1679	1712	1742	1752	1038
45°	1342	1360	1391	1415	1421	1035
55°	1003	1013	1035	1052	1050	898
65°	662	664	672	676	676	655
75°	335	331	333	325	323	356
85°	71	71	69	63	61	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2237.8	2237.8	2237.8	2237.8	2237.8
2.5°	2239.8	2235.8	2229.9	2237.8	2241.8
5°	2229.9	2227.9	2225.9	2233.8	2237.8
7.5°	2212.0	2214.0	2212.0	2223.9	2227.9
10°	2190.2	2192.2	2194.2	2208.1	2212.0
12.5°	2162.5	2164.5	2170.4	2188.2	2194.2
15°	2124.8	2130.8	2140.7	2162.5	2170.4
17.5°	2085.2	2093.1	2107.0	2132.7	2140.7
20°	2037.6	2047.5	2067.3	2095.1	2105.0
22.5°	1984.1	1994.0	2021.7	2051.5	2061.4
25°	1930.6	1942.5	1970.2	2003.9	2013.8
27.5°	1867.1	1883.0	1912.7	1946.4	1954.4
30°	1801.7	1815.6	1851.3	1883.0	1896.9
32.5°	1736.3	1750.2	1783.9	1815.6	1825.5
35°	1659.0	1678.8	1712.5	1742.3	1752.2
37.5°	1583.7	1601.5	1637.2	1666.9	1676.9
40°	1504.4	1520.3	1557.9	1585.7	1593.6
42.5°	1425.1	1441.0	1478.6	1500.5	1508.4
45°	1341.9	1359.7	1391.4	1415.2	1421.2
47.5°	1258.6	1272.5	1302.2	1324.0	1332.0
50°	1173.4	1187.3	1217.0	1234.8	1238.8
52.5°	1088.2	1098.1	1125.8	1141.7	1147.6
55°	1002.9	1012.9	1034.7	1052.5	1050.5
57.5°	921.7	925.6	947.4	959.3	959.3
60°	830.5	834.5	852.3	860.2	862.2
62.5°	745.3	751.2	765.1	767.1	767.1
65°	662.0	664.0	671.9	675.9	675.9
67.5°	578.8	576.8	584.7	584.7	582.7
70°	491.6	495.5	497.5	493.5	491.6
72.5°	412.3	410.3	410.3	408.3	408.3
75°	335.0	331.0	333.0	325.1	323.1
77.5°	263.6	257.7	255.7	251.7	247.8
80°	190.3	190.3	188.3	184.3	182.4
82.5°	126.9	126.9	124.9	120.9	116.9
85°	71.4	71.4	69.4	63.4	61.4
87.5°	23.8	23.8	23.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)