

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: P297021

Luminaire Tested: **D3X-WG-60L83050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-60L83050-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5948.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

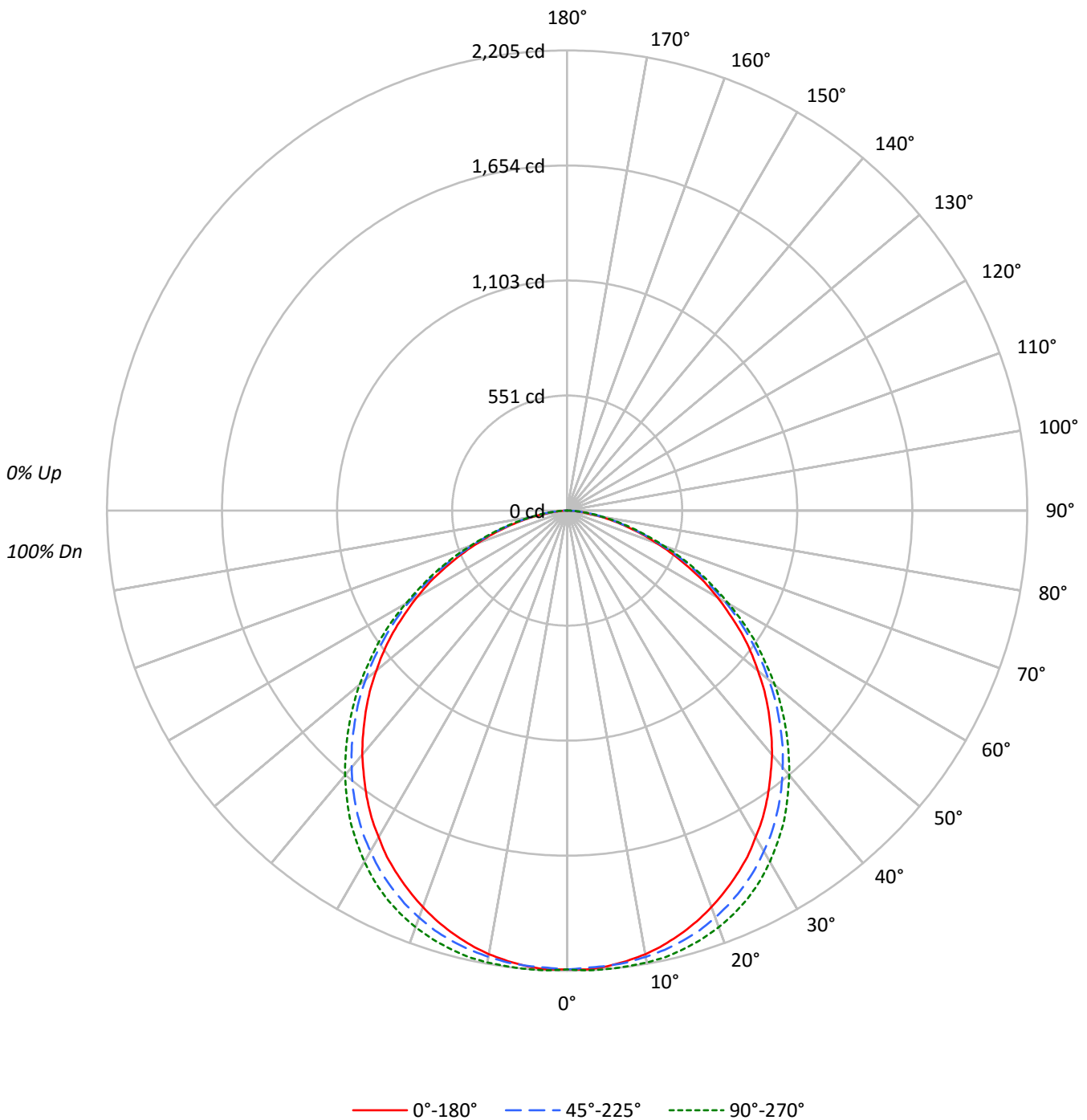
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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		47	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	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2958	2958	2958
5°	2961	2958	2978
10°	2949	2966	3004
15°	2926	2974	3027
20°	2895	2971	3042
25°	2856	2958	3043
30°	2807	2930	3019
35°	2751	2887	2978
40°	2683	2822	2908
45°	2599	2741	2822
50°	2498	2640	2721
55°	2389	2509	2589
60°	2236	2351	2408
65°	2042	2150	2205
70°	1794	1886	1936
75°	1517	1595	1651
80°	1205	1321	1354
85°	823	986	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	3.5
10°-20°	603.2	10.1
20°-30°	916.7	15.4
30°-40°	1093.8	18.4
40°-50°	1104.7	18.6
50°-60°	951.8	16.0
60°-70°	663.5	11.2
70°-80°	328.8	5.5
80°-90°	76.7	1.3
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°	1728.8	29.1
0°-40°	2822.6	47.5
0°-60°	4879.0	82.0
0°-90°	5948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2199	2199	2199	2199	2199	
5°	2192	2190	2190	2201	2205	208
15°	2101	2112	2135	2163	2173	592
25°	1924	1950	1992	2033	2050	886
35°	1675	1702	1758	1798	1813	1047
45°	1366	1396	1440	1474	1483	1053
55°	1018	1040	1070	1095	1104	908
65°	641	654	675	682	692	637
75°	292	296	307	313	318	315
85°	53	64	64	60	62	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2198.8	2198.8	2198.8	2198.8	2198.8
2.5°	2201.0	2196.7	2192.5	2201.0	2205.2
5°	2192.5	2190.3	2190.3	2201.0	2205.2
7.5°	2177.5	2177.5	2183.9	2198.8	2203.1
10°	2158.4	2162.6	2171.2	2192.5	2198.8
12.5°	2132.8	2141.3	2156.2	2181.8	2190.3
15°	2100.8	2111.5	2134.9	2162.6	2173.3
17.5°	2064.6	2079.5	2109.4	2141.3	2152.0
20°	2022.0	2041.2	2075.3	2111.5	2124.3
22.5°	1975.1	1998.6	2036.9	2075.3	2090.2
25°	1924.0	1949.6	1992.2	2032.7	2049.7
27.5°	1870.7	1896.3	1943.2	1983.7	2000.7
30°	1806.8	1836.6	1885.6	1928.3	1943.2
32.5°	1745.0	1774.8	1826.0	1864.3	1879.2
35°	1674.7	1702.4	1757.8	1798.3	1813.2
37.5°	1600.1	1632.1	1685.4	1721.6	1734.4
40°	1527.7	1555.4	1606.5	1642.7	1655.5
42.5°	1446.7	1476.6	1527.7	1559.6	1570.3
45°	1365.8	1395.6	1440.3	1474.4	1482.9
47.5°	1282.7	1310.4	1355.1	1382.8	1391.3
50°	1193.2	1218.7	1261.4	1289.1	1299.7
52.5°	1107.9	1131.4	1167.6	1191.0	1197.4
55°	1018.5	1039.8	1069.6	1095.2	1103.7
57.5°	922.6	946.0	973.7	995.0	1001.4
60°	831.0	850.1	873.6	892.8	894.9
62.5°	741.5	750.0	771.3	788.3	790.5
65°	641.3	654.1	675.4	681.8	692.5
67.5°	549.7	558.2	575.3	583.8	592.3
70°	456.0	462.4	479.4	490.1	492.2
72.5°	375.0	377.1	389.9	398.4	400.6
75°	291.9	296.2	306.8	313.2	317.5
77.5°	221.6	225.9	234.4	238.6	238.6
80°	155.5	161.9	170.5	172.6	174.7
82.5°	100.1	108.7	115.1	117.2	112.9
85°	53.3	63.9	63.9	59.7	61.8
87.5°	19.2	23.4	25.6	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)