

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: P297449

Luminaire Tested: **D3X-WO-74L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297449
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-74L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5784.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

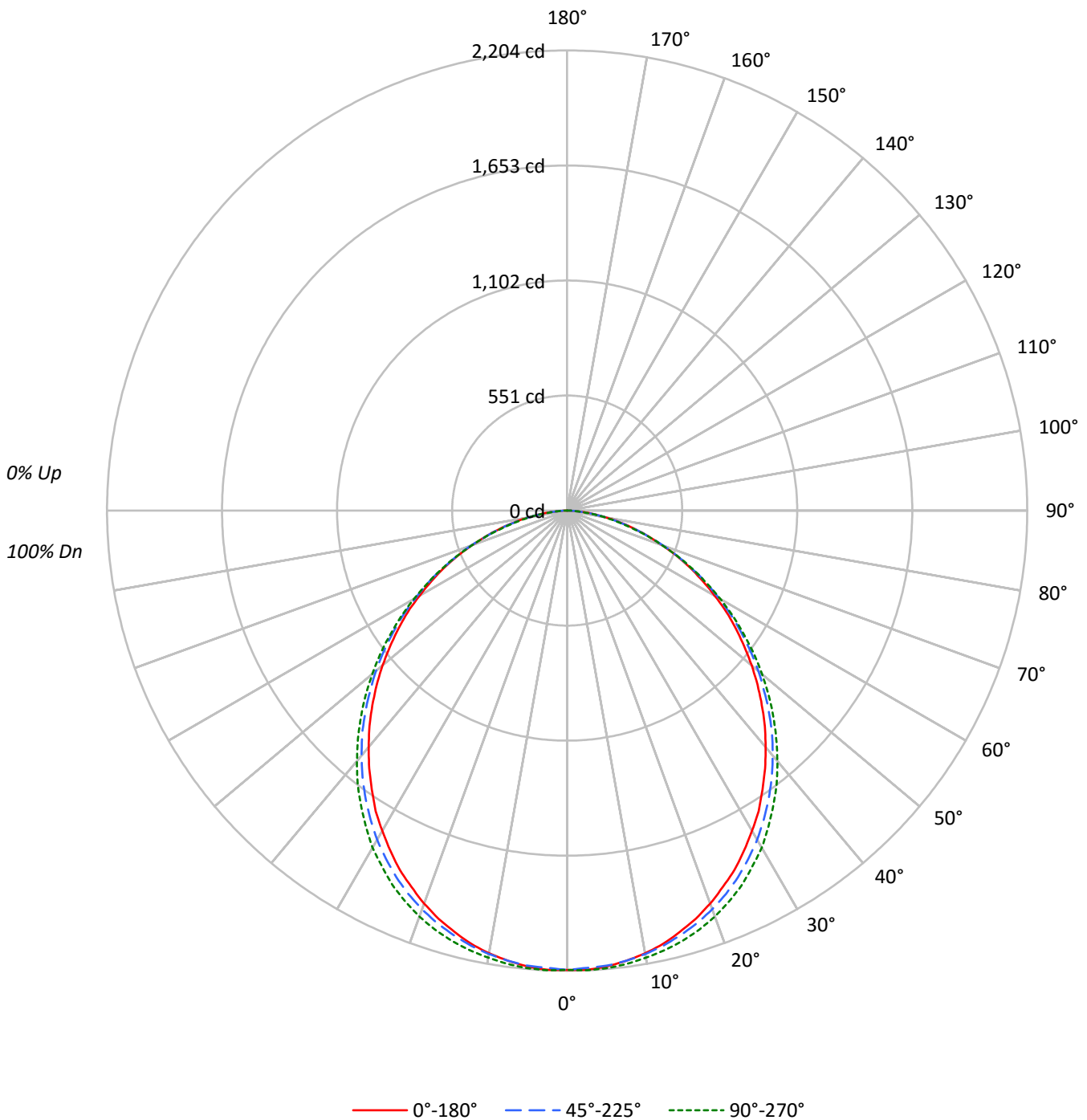
Input Watts (W): 56.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2960	2960	2960
5°	2961	2955	2971
10°	2942	2947	2971
15°	2909	2931	2972
20°	2868	2910	2963
25°	2817	2875	2939
30°	2752	2827	2897
35°	2679	2765	2829
40°	2597	2690	2751
45°	2510	2603	2658
50°	2415	2504	2549
55°	2313	2386	2422
60°	2197	2255	2281
65°	2072	2103	2115
70°	1901	1924	1901
75°	1712	1701	1651
80°	1449	1434	1389
85°	1082	1053	932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.3	3.6
10°-20°	595.0	10.3
20°-30°	892.0	15.4
30°-40°	1050.5	18.2
40°-50°	1050.7	18.2
50°-60°	906.6	15.7
60°-70°	652.3	11.3
70°-80°	346.0	6.0
80°-90°	82.5	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°	1695.3	29.3
0°-40°	2745.8	47.5
0°-60°	4703.1	81.3
0°-90°	5784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2192	2190	2188	2196	2200	208
15°	2089	2094	2104	2126	2134	589
25°	1898	1909	1937	1970	1980	873
35°	1631	1650	1683	1713	1722	1020
45°	1319	1337	1368	1391	1397	1018
55°	986	996	1017	1035	1033	882
65°	651	653	660	664	664	644
75°	329	325	327	320	318	350
85°	70	70	68	62	60	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2199.8	2199.8	2199.8	2199.8	2199.8
2.5°	2201.7	2197.8	2192.0	2199.8	2203.7
5°	2192.0	2190.0	2188.1	2195.9	2199.8
7.5°	2174.4	2176.4	2174.4	2186.1	2190.0
10°	2153.0	2154.9	2156.9	2170.5	2174.4
12.5°	2125.7	2127.7	2133.5	2151.1	2156.9
15°	2088.7	2094.5	2104.3	2125.7	2133.5
17.5°	2049.7	2057.5	2071.2	2096.5	2104.3
20°	2003.0	2012.7	2032.2	2059.5	2069.2
22.5°	1950.4	1960.1	1987.4	2016.6	2026.4
25°	1897.8	1909.4	1936.7	1969.8	1979.6
27.5°	1835.4	1851.0	1880.2	1913.3	1921.1
30°	1771.1	1784.7	1819.8	1851.0	1864.6
32.5°	1706.8	1720.5	1753.6	1784.7	1794.5
35°	1630.8	1650.3	1683.4	1712.7	1722.4
37.5°	1556.8	1574.3	1609.4	1638.6	1648.4
40°	1478.8	1494.4	1531.5	1558.7	1566.5
42.5°	1400.9	1416.5	1453.5	1475.0	1482.7
45°	1319.1	1336.6	1367.8	1391.2	1397.0
47.5°	1237.2	1250.9	1280.1	1301.5	1309.3
50°	1153.5	1167.1	1196.3	1213.9	1217.8
52.5°	1069.7	1079.4	1106.7	1122.3	1128.1
55°	985.9	995.6	1017.1	1034.6	1032.7
57.5°	906.0	909.9	931.3	943.0	943.0
60°	816.4	820.3	837.8	845.6	847.6
62.5°	732.6	738.4	752.1	754.0	754.0
65°	650.8	652.7	660.5	664.4	664.4
67.5°	568.9	567.0	574.8	574.8	572.8
70°	483.2	487.1	489.1	485.2	483.2
72.5°	405.3	403.3	403.3	401.4	401.4
75°	329.3	325.4	327.3	319.5	317.6
77.5°	259.1	253.3	251.3	247.4	243.6
80°	187.0	187.0	185.1	181.2	179.3
82.5°	124.7	124.7	122.8	118.9	115.0
85°	70.1	70.1	68.2	62.3	60.4
87.5°	23.4	23.4	23.4	23.4	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)