

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: P296818

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296818
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-60L82765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5822.0 lumens
Efficiency: N/A
Efficacy: 131.4 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

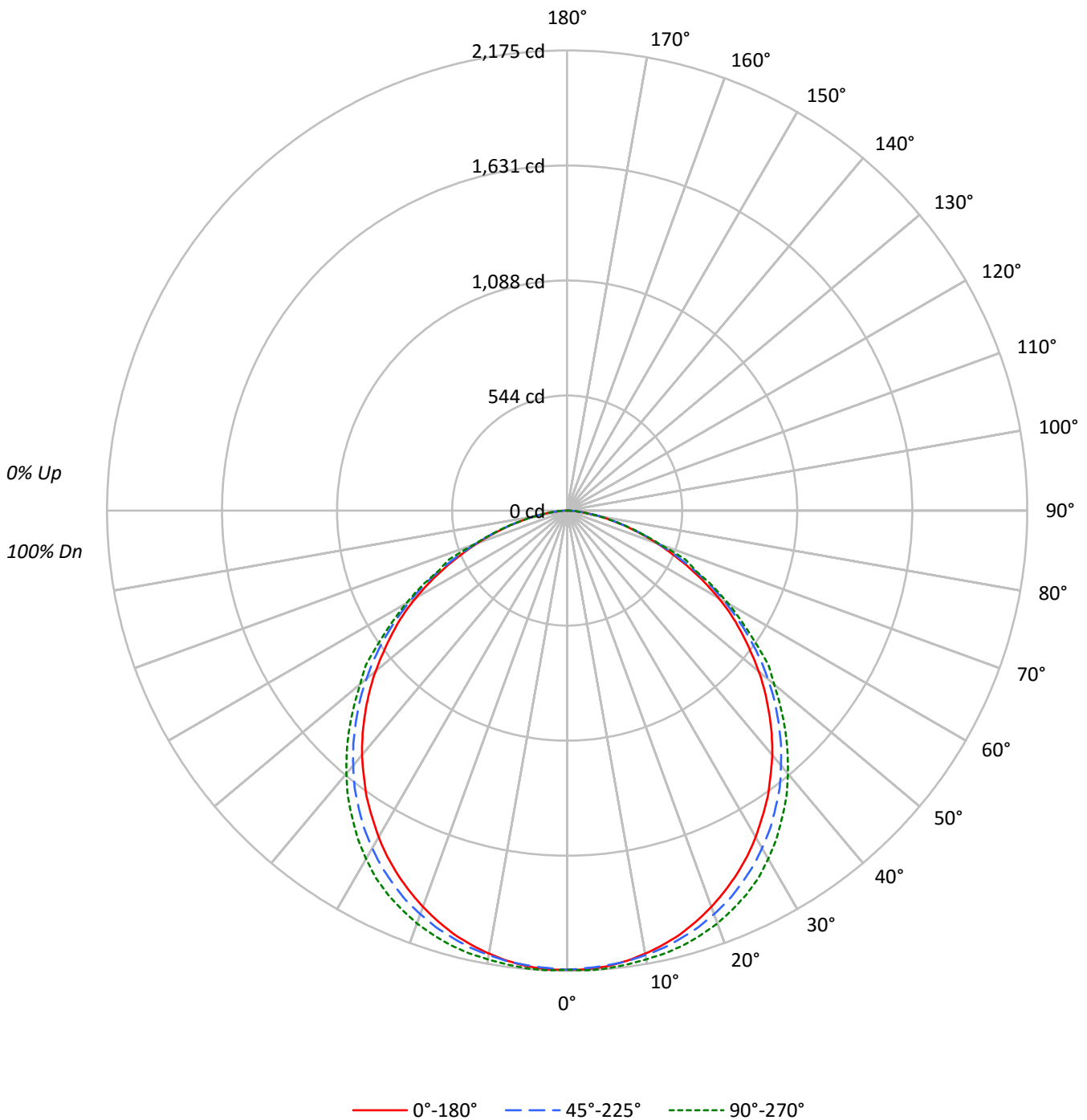
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2920	2920	2920
5°	2920	2915	2934
10°	2905	2914	2942
15°	2886	2913	2962
20°	2853	2907	2973
25°	2816	2890	2974
30°	2768	2862	2953
35°	2714	2820	2910
40°	2649	2763	2851
45°	2568	2687	2770
50°	2475	2593	2672
55°	2362	2470	2543
60°	2226	2310	2366
65°	2022	2088	2128
70°	1775	1816	1841
75°	1499	1521	1531
80°	1198	1214	1182
85°	806	838	806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	3.5
10°-20°	591.5	10.2
20°-30°	897.5	15.4
30°-40°	1071.5	18.4
40°-50°	1084.8	18.6
50°-60°	937.6	16.1
60°-70°	649.9	11.2
70°-80°	314.4	5.4
80°-90°	69.1	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°	1694.7	29.1
0°-40°	2766.2	47.5
0°-60°	4788.6	82.2
0°-90°	5822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2170	2170	2170	2170	2170	
5°	2162	2160	2158	2168	2172	205
15°	2072	2076	2091	2116	2126	584
25°	1897	1909	1947	1987	2003	874
35°	1652	1667	1717	1761	1771	1032
45°	1349	1368	1412	1448	1456	1041
55°	1007	1017	1053	1097	1084	900
65°	635	641	656	666	668	628
75°	288	290	292	290	294	309
85°	52	56	54	52	52	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2170.4	2170.4	2170.4	2170.4	2170.4
2.5°	2170.4	2168.3	2164.1	2170.4	2174.6
5°	2162.0	2160.0	2157.9	2168.3	2172.5
7.5°	2147.4	2147.4	2149.5	2160.0	2164.1
10°	2126.5	2128.6	2132.8	2149.5	2153.7
12.5°	2101.5	2105.6	2116.1	2134.9	2143.2
15°	2072.2	2076.4	2091.0	2116.1	2126.5
17.5°	2034.6	2043.0	2063.9	2093.1	2103.6
20°	1992.8	2003.3	2030.4	2063.9	2076.4
22.5°	1946.9	1957.3	1992.8	2028.4	2040.9
25°	1896.7	1909.3	1946.9	1986.6	2003.3
27.5°	1842.4	1857.1	1898.8	1940.6	1957.3
30°	1781.9	1798.6	1842.4	1886.3	1900.9
32.5°	1717.1	1733.8	1783.9	1825.7	1840.3
35°	1652.3	1667.0	1717.1	1761.0	1771.4
37.5°	1579.2	1595.9	1650.3	1687.9	1702.5
40°	1508.2	1524.9	1573.0	1610.6	1623.1
42.5°	1430.9	1447.6	1495.7	1531.2	1541.6
45°	1349.4	1368.3	1412.1	1447.6	1456.0
47.5°	1268.0	1282.6	1328.6	1359.9	1366.2
50°	1182.3	1197.0	1238.7	1270.1	1276.3
52.5°	1092.5	1115.5	1148.9	1171.9	1199.0
55°	1006.9	1017.3	1052.8	1096.7	1084.2
57.5°	921.2	927.5	956.7	975.5	979.7
60°	827.2	835.6	858.6	869.0	879.4
62.5°	729.0	735.3	762.5	772.9	777.1
65°	635.0	641.3	655.9	666.4	668.5
67.5°	538.9	545.2	557.7	566.1	603.7
70°	451.2	455.4	461.7	478.4	467.9
72.5°	367.7	369.7	376.0	376.0	378.1
75°	288.3	290.4	292.5	290.4	294.5
77.5°	215.2	219.3	221.4	219.3	217.2
80°	154.6	158.8	156.7	152.5	152.5
82.5°	100.3	102.4	100.3	98.2	98.2
85°	52.2	56.4	54.3	52.2	52.2
87.5°	18.8	20.9	23.0	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)