

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: P296980

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296980
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-80L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5931.0 lumens
Efficiency: N/A
Efficacy: 98.0 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

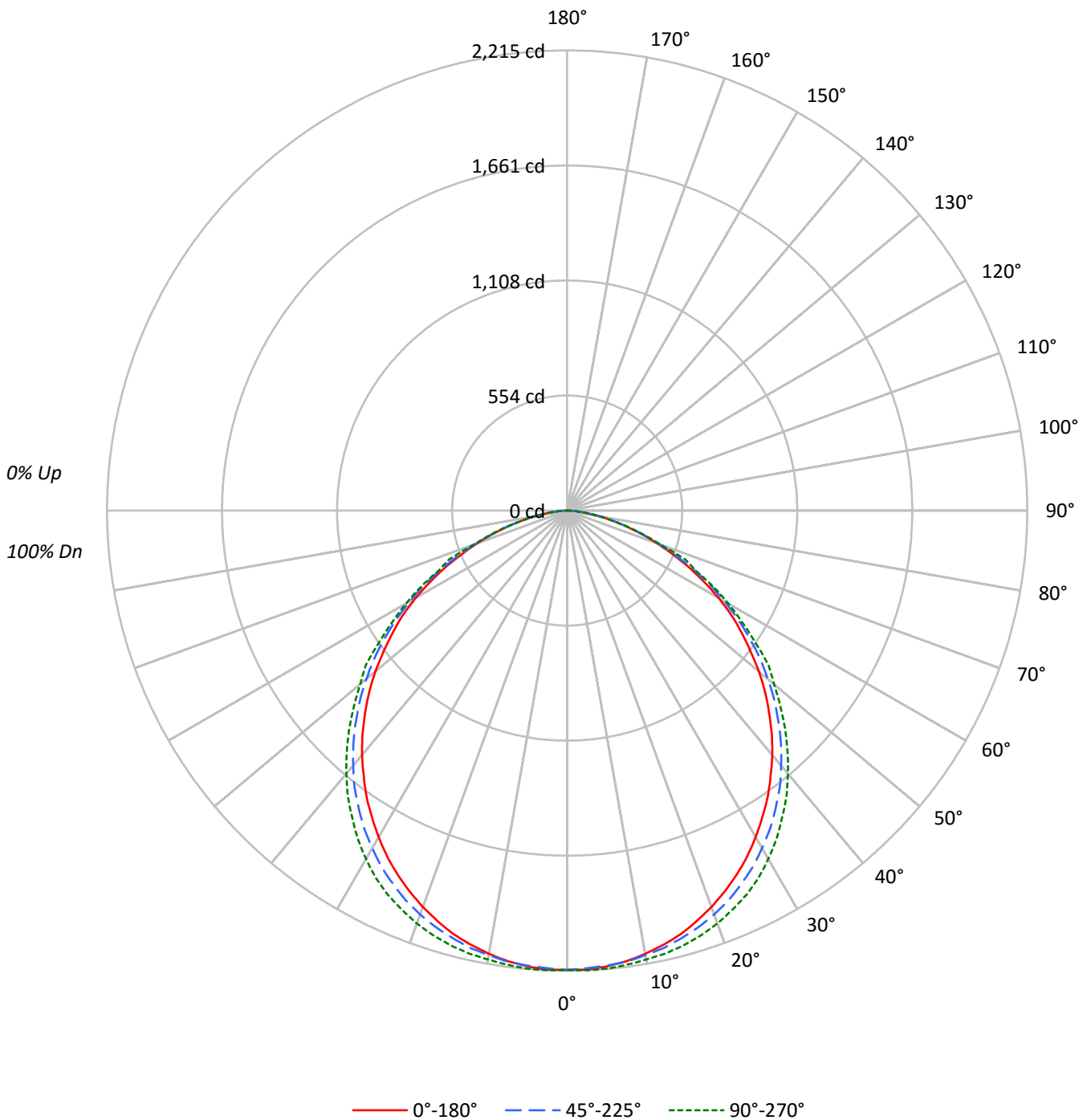
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2975	2975	2975
5°	2975	2969	2989
10°	2960	2968	2998
15°	2941	2967	3018
20°	2907	2962	3029
25°	2869	2944	3030
30°	2820	2916	3009
35°	2765	2873	2964
40°	2699	2814	2904
45°	2616	2737	2822
50°	2521	2641	2722
55°	2406	2516	2591
60°	2268	2354	2411
65°	2060	2127	2168
70°	1808	1850	1875
75°	1527	1549	1560
80°	1220	1237	1203
85°	821	854	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.5	3.5
10°-20°	602.6	10.2
20°-30°	914.3	15.4
30°-40°	1091.5	18.4
40°-50°	1105.1	18.6
50°-60°	955.2	16.1
60°-70°	662.0	11.2
70°-80°	320.3	5.4
80°-90°	70.4	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°	1726.4	29.1
0°-40°	2817.9	47.5
0°-60°	4878.2	82.2
0°-90°	5931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2211	2211	2211	2211	2211	
5°	2202	2200	2198	2209	2213	209
15°	2111	2115	2130	2156	2166	595
25°	1932	1945	1983	2024	2041	890
35°	1683	1698	1749	1794	1805	1051
45°	1375	1394	1439	1475	1483	1060
55°	1026	1036	1072	1117	1104	917
65°	647	653	668	679	681	640
75°	294	296	298	296	300	315
85°	53	58	55	53	53	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2211.0	2211.0	2211.0	2211.0	2211.0
2.5°	2211.0	2208.9	2204.7	2211.0	2215.3
5°	2202.5	2200.4	2198.3	2208.9	2213.2
7.5°	2187.6	2187.6	2189.8	2200.4	2204.7
10°	2166.3	2168.5	2172.7	2189.8	2194.0
12.5°	2140.8	2145.1	2155.7	2174.9	2183.4
15°	2111.0	2115.3	2130.2	2155.7	2166.3
17.5°	2072.7	2081.2	2102.5	2132.3	2142.9
20°	2030.2	2040.8	2068.5	2102.5	2115.3
22.5°	1983.3	1994.0	2030.2	2066.3	2079.1
25°	1932.3	1945.0	1983.3	2023.8	2040.8
27.5°	1876.9	1891.8	1934.4	1976.9	1994.0
30°	1815.2	1832.2	1876.9	1921.6	1936.5
32.5°	1749.2	1766.3	1817.3	1859.9	1874.8
35°	1683.3	1698.2	1749.2	1793.9	1804.6
37.5°	1608.8	1625.8	1681.2	1719.5	1734.4
40°	1536.4	1553.5	1602.4	1640.7	1653.5
42.5°	1457.7	1474.7	1523.7	1559.9	1570.5
45°	1374.7	1393.9	1438.6	1474.7	1483.2
47.5°	1291.7	1306.6	1353.4	1385.4	1391.7
50°	1204.5	1219.4	1261.9	1293.8	1300.2
52.5°	1113.0	1136.4	1170.4	1193.8	1221.5
55°	1025.7	1036.4	1072.5	1117.2	1104.5
57.5°	938.5	944.9	974.6	993.8	998.1
60°	842.7	851.2	874.6	885.3	895.9
62.5°	742.7	749.1	776.7	787.4	791.6
65°	646.9	653.3	668.2	678.8	681.0
67.5°	549.0	555.4	568.2	576.7	615.0
70°	459.7	463.9	470.3	487.3	476.7
72.5°	374.5	376.7	383.0	383.0	385.2
75°	293.7	295.8	297.9	295.8	300.1
77.5°	219.2	223.4	225.6	223.4	221.3
80°	157.5	161.7	159.6	155.3	155.3
82.5°	102.1	104.3	102.1	100.0	100.0
85°	53.2	57.5	55.3	53.2	53.2
87.5°	19.2	21.3	23.4	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)