

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: P297232

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297232
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-55L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4952.0 lumens
Efficiency: N/A
Efficacy: 123.5 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

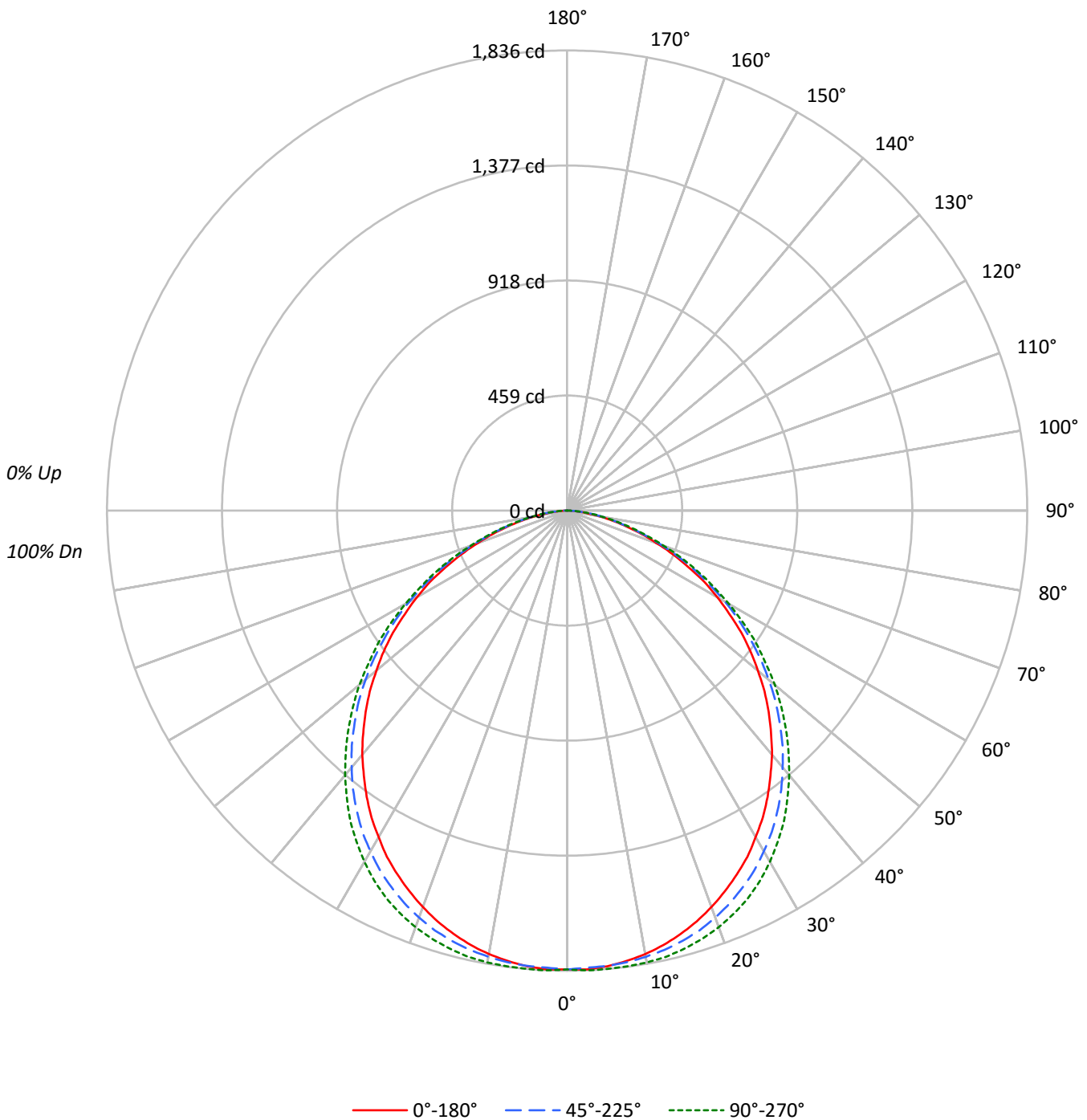
Input Watts (W): 40.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2463	2463	2463
5°	2465	2463	2480
10°	2455	2470	2501
15°	2436	2476	2520
20°	2410	2474	2532
25°	2378	2462	2533
30°	2337	2439	2513
35°	2290	2404	2480
40°	2234	2349	2421
45°	2164	2282	2349
50°	2079	2198	2265
55°	1989	2089	2156
60°	1862	1957	2005
65°	1700	1790	1835
70°	1493	1570	1612
75°	1263	1328	1374
80°	1003	1099	1127
85°	684	821	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	3.5
10°-20°	502.2	10.1
20°-30°	763.2	15.4
30°-40°	910.6	18.4
40°-50°	919.7	18.6
50°-60°	792.4	16.0
60°-70°	552.4	11.2
70°-80°	273.7	5.5
80°-90°	63.8	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°	1439.3	29.1
0°-40°	2349.9	47.5
0°-60°	4062.0	82.0
0°-90°	4952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1825	1824	1824	1832	1836	173
15°	1749	1758	1777	1800	1809	493
25°	1602	1623	1659	1692	1706	738
35°	1394	1417	1464	1497	1510	871
45°	1137	1162	1199	1228	1235	876
55°	848	866	890	912	919	756
65°	534	545	562	568	576	530
75°	243	247	255	261	264	262
85°	44	53	53	50	51	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1830.6	1830.6	1830.6	1830.6	1830.6
2.5°	1832.4	1828.9	1825.3	1832.4	1836.0
5°	1825.3	1823.6	1823.6	1832.4	1836.0
7.5°	1812.9	1812.9	1818.2	1830.6	1834.2
10°	1796.9	1800.5	1807.6	1825.3	1830.6
12.5°	1775.7	1782.8	1795.2	1816.5	1823.6
15°	1749.1	1757.9	1777.4	1800.5	1809.4
17.5°	1718.9	1731.3	1756.1	1782.8	1791.6
20°	1683.4	1699.4	1727.8	1757.9	1768.6
22.5°	1644.4	1663.9	1695.8	1727.8	1740.2
25°	1601.8	1623.1	1658.6	1692.3	1706.5
27.5°	1557.5	1578.8	1617.8	1651.5	1665.7
30°	1504.3	1529.1	1569.9	1605.4	1617.8
32.5°	1452.8	1477.6	1520.2	1552.1	1564.6
35°	1394.3	1417.3	1463.5	1497.2	1509.6
37.5°	1332.2	1358.8	1403.1	1433.3	1443.9
40°	1271.9	1294.9	1337.5	1367.7	1378.3
42.5°	1204.5	1229.3	1271.9	1298.5	1307.4
45°	1137.1	1161.9	1199.1	1227.5	1234.6
47.5°	1067.9	1090.9	1128.2	1151.3	1158.3
50°	993.4	1014.7	1050.1	1073.2	1082.1
52.5°	922.4	941.9	972.1	991.6	996.9
55°	847.9	865.7	890.5	911.8	918.9
57.5°	768.1	787.6	810.7	828.4	833.7
60°	691.8	707.8	727.3	743.3	745.0
62.5°	617.3	624.4	642.1	656.3	658.1
65°	533.9	544.6	562.3	567.6	576.5
67.5°	457.7	464.8	478.9	486.0	493.1
70°	379.6	384.9	399.1	408.0	409.8
72.5°	312.2	314.0	324.6	331.7	333.5
75°	243.0	246.6	255.4	260.8	264.3
77.5°	184.5	188.0	195.1	198.7	198.7
80°	129.5	134.8	141.9	143.7	145.5
82.5°	83.4	90.5	95.8	97.6	94.0
85°	44.3	53.2	53.2	49.7	51.4
87.5°	16.0	19.5	21.3	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)