

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: P297364

Luminaire Tested: **D3X-WO-55L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297364
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-55L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5092.0 lumens
Efficiency: N/A
Efficacy: 133.0 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

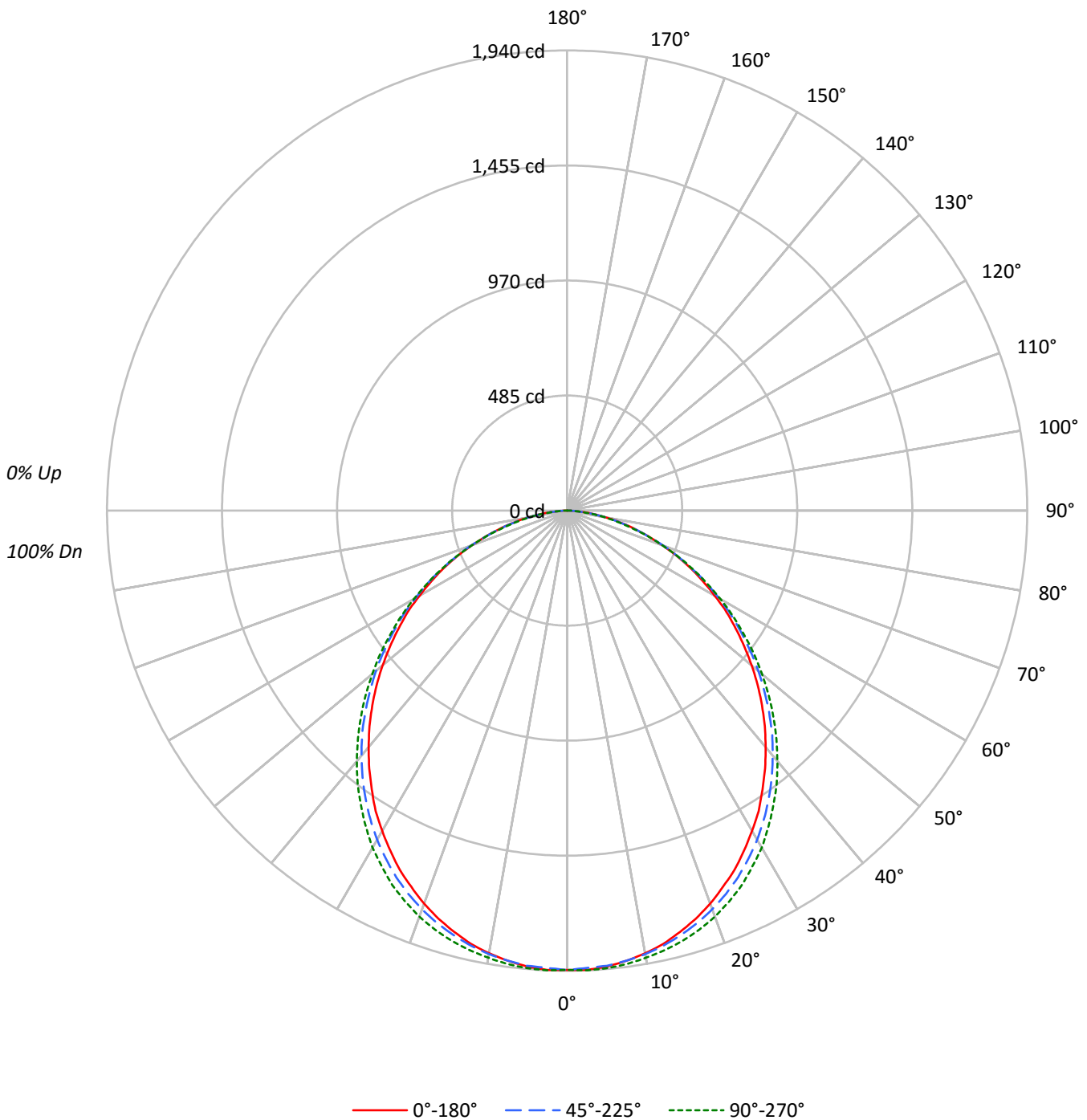
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2606	2606	2606
5°	2606	2602	2616
10°	2590	2594	2615
15°	2561	2580	2616
20°	2525	2562	2608
25°	2480	2531	2587
30°	2422	2489	2550
35°	2358	2434	2491
40°	2287	2368	2422
45°	2210	2291	2340
50°	2126	2205	2244
55°	2036	2100	2133
60°	1934	1985	2008
65°	1824	1851	1862
70°	1674	1694	1674
75°	1507	1498	1454
80°	1276	1263	1223
85°	954	926	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	3.6
10°-20°	523.8	10.3
20°-30°	785.3	15.4
30°-40°	924.8	18.2
40°-50°	925.0	18.2
50°-60°	798.1	15.7
60°-70°	574.3	11.3
70°-80°	304.6	6.0
80°-90°	72.7	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°	1492.5	29.3
0°-40°	2417.3	47.5
0°-60°	4140.4	81.3
0°-90°	5092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1930	1928	1926	1933	1937	183
15°	1839	1844	1852	1871	1878	519
25°	1671	1681	1705	1734	1743	768
35°	1436	1453	1482	1508	1516	898
45°	1161	1177	1204	1225	1230	896
55°	868	876	895	911	909	777
65°	573	575	582	585	585	567
75°	290	286	288	281	280	308
85°	62	62	60	55	53	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.6	1936.6	1936.6	1936.6	1936.6
2.5°	1938.3	1934.9	1929.7	1936.6	1940.0
5°	1929.7	1928.0	1926.3	1933.2	1936.6
7.5°	1914.3	1916.0	1914.3	1924.6	1928.0
10°	1895.4	1897.1	1898.8	1910.9	1914.3
12.5°	1871.4	1873.1	1878.3	1893.7	1898.8
15°	1838.8	1844.0	1852.5	1871.4	1878.3
17.5°	1804.5	1811.4	1823.4	1845.7	1852.5
20°	1763.3	1771.9	1789.1	1813.1	1821.7
22.5°	1717.0	1725.6	1749.6	1775.3	1783.9
25°	1670.7	1681.0	1705.0	1734.2	1742.8
27.5°	1615.8	1629.5	1655.3	1684.4	1691.3
30°	1559.2	1571.2	1602.1	1629.5	1641.5
32.5°	1502.6	1514.6	1543.8	1571.2	1579.8
35°	1435.7	1452.9	1482.0	1507.8	1516.3
37.5°	1370.5	1386.0	1416.8	1442.6	1451.1
40°	1301.9	1315.6	1348.2	1372.2	1379.1
42.5°	1233.3	1247.0	1279.6	1298.5	1305.3
45°	1161.3	1176.7	1204.1	1224.7	1229.9
47.5°	1089.2	1101.2	1127.0	1145.8	1152.7
50°	1015.5	1027.5	1053.2	1068.6	1072.1
52.5°	941.7	950.3	974.3	988.0	993.2
55°	867.9	876.5	895.4	910.8	909.1
57.5°	797.6	801.0	819.9	830.2	830.2
60°	718.7	722.1	737.6	744.4	746.2
62.5°	645.0	650.1	662.1	663.8	663.8
65°	572.9	574.6	581.5	584.9	584.9
67.5°	500.9	499.2	506.0	506.0	504.3
70°	425.4	428.8	430.5	427.1	425.4
72.5°	356.8	355.1	355.1	353.4	353.4
75°	289.9	286.5	288.2	281.3	279.6
77.5°	228.1	223.0	221.3	217.8	214.4
80°	164.7	164.7	163.0	159.5	157.8
82.5°	109.8	109.8	108.1	104.6	101.2
85°	61.8	61.8	60.0	54.9	53.2
87.5°	20.6	20.6	20.6	20.6	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)