

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: P297526

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297526
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-67L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6068.0 lumens
Efficiency: N/A
Efficacy: 122.3 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

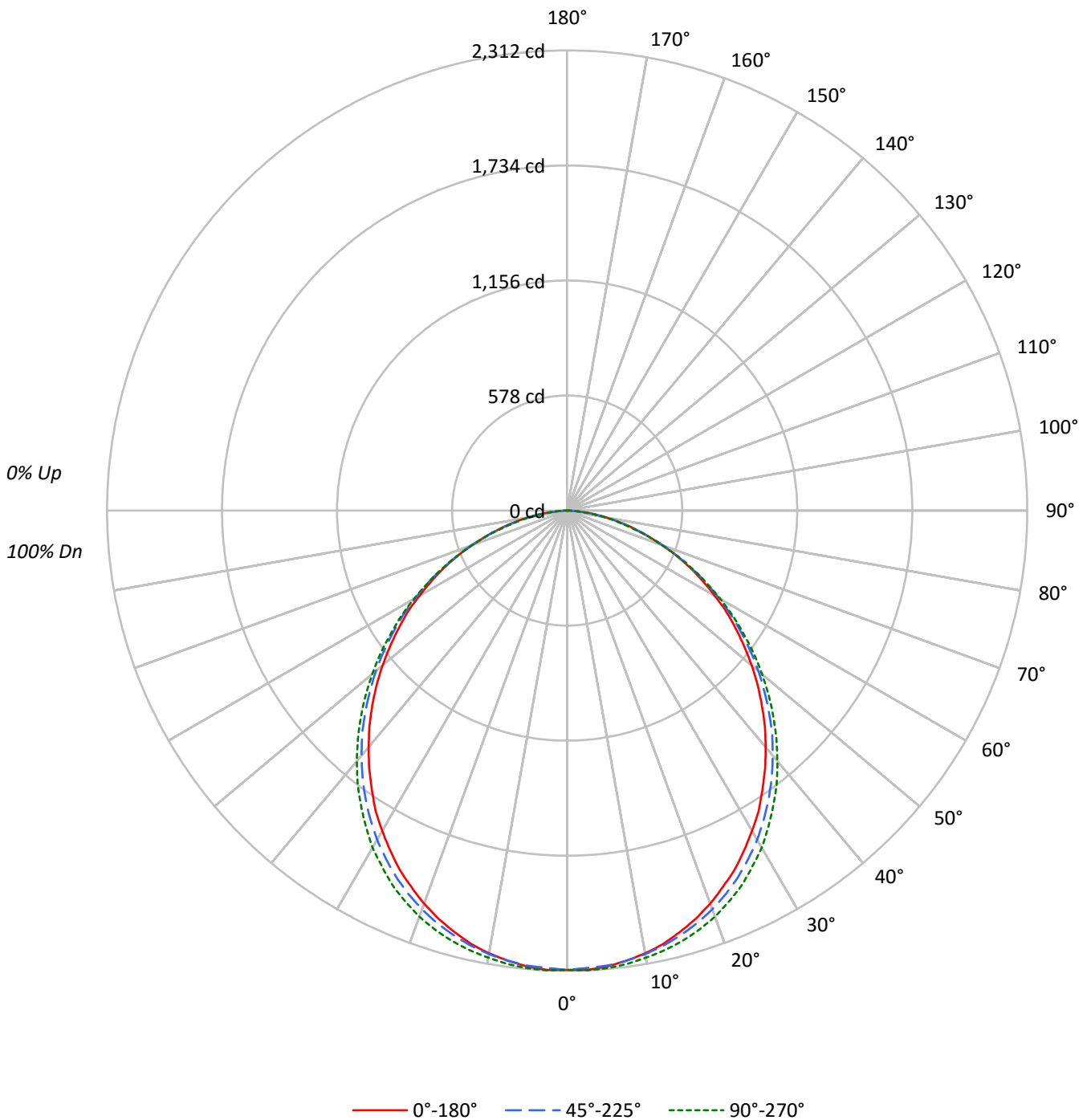
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3105	3105	3105
5°	3106	3100	3117
10°	3086	3092	3117
15°	3052	3075	3118
20°	3009	3053	3108
25°	2956	3016	3083
30°	2887	2966	3039
35°	2810	2901	2968
40°	2725	2822	2886
45°	2633	2730	2789
50°	2533	2627	2674
55°	2426	2503	2541
60°	2305	2365	2393
65°	2174	2206	2219
70°	1994	2019	1994
75°	1796	1785	1732
80°	1520	1505	1457
85°	1136	1104	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	3.6
10°-20°	624.2	10.3
20°-30°	935.9	15.4
30°-40°	1102.1	18.2
40°-50°	1102.3	18.2
50°-60°	951.1	15.7
60°-70°	684.4	11.3
70°-80°	363.0	6.0
80°-90°	86.6	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°	1778.5	29.3
0°-40°	2880.6	47.5
0°-60°	4934.0	81.3
0°-90°	6068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6068.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2308	2308	2308	2308	2308	
5°	2300	2298	2296	2304	2308	218
15°	2191	2197	2208	2230	2238	618
25°	1991	2003	2032	2067	2077	916
35°	1711	1731	1766	1797	1807	1070
45°	1384	1402	1435	1460	1466	1068
55°	1034	1044	1067	1085	1083	926
65°	683	685	693	697	697	675
75°	346	341	343	335	333	368
85°	74	74	72	65	63	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2307.8	2307.8	2307.8	2307.8	2307.8
2.5°	2309.8	2305.7	2299.6	2307.8	2311.9
5°	2299.6	2297.6	2295.5	2303.7	2307.8
7.5°	2281.2	2283.2	2281.2	2293.5	2297.6
10°	2258.7	2260.8	2262.8	2277.1	2281.2
12.5°	2230.1	2232.1	2238.3	2256.7	2262.8
15°	2191.3	2197.4	2207.6	2230.1	2238.3
17.5°	2150.4	2158.6	2172.9	2199.4	2207.6
20°	2101.3	2111.5	2132.0	2160.6	2170.8
22.5°	2046.1	2056.3	2085.0	2115.6	2125.8
25°	1990.9	2003.2	2031.8	2066.6	2076.8
27.5°	1925.5	1941.9	1972.5	2007.3	2015.5
30°	1858.1	1872.4	1909.2	1941.9	1956.2
32.5°	1790.6	1804.9	1839.7	1872.4	1882.6
35°	1710.9	1731.3	1766.1	1796.8	1807.0
37.5°	1633.2	1651.6	1688.4	1719.1	1729.3
40°	1551.5	1567.8	1606.7	1635.3	1643.4
42.5°	1469.7	1486.1	1524.9	1547.4	1555.5
45°	1383.8	1402.2	1434.9	1459.5	1465.6
47.5°	1298.0	1312.3	1343.0	1365.4	1373.6
50°	1210.1	1224.4	1255.1	1273.5	1277.6
52.5°	1122.2	1132.4	1161.0	1177.4	1183.5
55°	1034.3	1044.5	1067.0	1085.4	1083.4
57.5°	950.5	954.6	977.1	989.3	989.3
60°	856.5	860.6	879.0	887.1	889.2
62.5°	768.6	774.7	789.0	791.1	791.1
65°	682.7	684.8	692.9	697.0	697.0
67.5°	596.9	594.8	603.0	603.0	601.0
70°	506.9	511.0	513.1	509.0	506.9
72.5°	425.2	423.1	423.1	421.1	421.1
75°	345.5	341.4	343.4	335.2	333.2
77.5°	271.9	265.7	263.7	259.6	255.5
80°	196.2	196.2	194.2	190.1	188.1
82.5°	130.8	130.8	128.8	124.7	120.6
85°	73.6	73.6	71.5	65.4	63.4
87.5°	24.5	24.5	24.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)