

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: P297108

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297108
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-67L82765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6549.0 lumens
Efficiency: N/A
Efficacy: 131.0 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

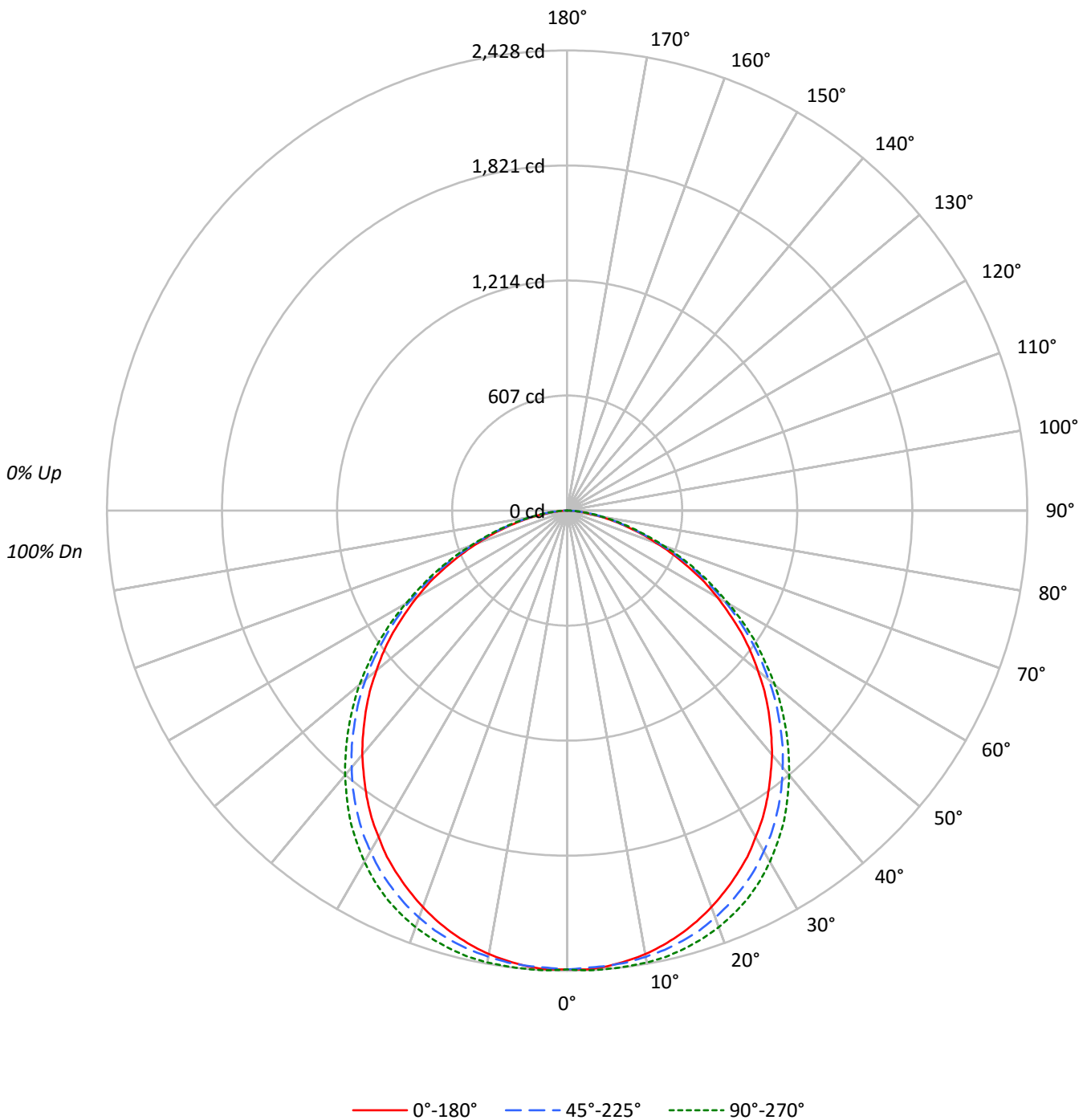
Input Watts (W): 50
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3257	3257	3257
5°	3260	3257	3279
10°	3247	3266	3308
15°	3222	3274	3333
20°	3188	3272	3349
25°	3145	3256	3350
30°	3091	3226	3324
35°	3029	3179	3279
40°	2954	3107	3202
45°	2861	3018	3107
50°	2750	2907	2995
55°	2631	2763	2851
60°	2462	2588	2651
65°	2248	2368	2427
70°	1975	2076	2132
75°	1671	1756	1817
80°	1327	1454	1491
85°	905	1087	1050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	3.5
10°-20°	664.1	10.1
20°-30°	1009.3	15.4
30°-40°	1204.3	18.4
40°-50°	1216.3	18.6
50°-60°	1047.9	16.0
60°-70°	730.5	11.2
70°-80°	362.0	5.5
80°-90°	84.4	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°	1903.4	29.1
0°-40°	3107.8	47.5
0°-60°	5372.0	82.0
0°-90°	6549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2421	2421	2421	2421	2421	
5°	2414	2412	2412	2423	2428	229
15°	2313	2325	2351	2381	2393	652
25°	2118	2146	2194	2238	2257	976
35°	1844	1874	1935	1980	1996	1153
45°	1504	1537	1586	1623	1633	1159
55°	1121	1145	1178	1206	1215	999
65°	706	720	744	751	762	701
75°	321	326	338	345	350	346
85°	59	70	70	66	68	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.0	2421.0	2421.0	2421.0	2421.0
2.5°	2423.4	2418.7	2414.0	2423.4	2428.1
5°	2414.0	2411.6	2411.6	2423.4	2428.1
7.5°	2397.6	2397.6	2404.6	2421.0	2425.7
10°	2376.5	2381.1	2390.5	2414.0	2421.0
12.5°	2348.3	2357.7	2374.1	2402.3	2411.6
15°	2313.1	2324.8	2350.6	2381.1	2392.9
17.5°	2273.2	2289.7	2322.5	2357.7	2369.4
20°	2226.3	2247.4	2285.0	2324.8	2338.9
22.5°	2174.7	2200.5	2242.7	2285.0	2301.4
25°	2118.4	2146.5	2193.5	2238.0	2256.8
27.5°	2059.7	2087.9	2139.5	2184.1	2202.9
30°	1989.4	2022.2	2076.2	2123.1	2139.5
32.5°	1921.3	1954.2	2010.5	2052.7	2069.1
35°	1843.9	1874.4	1935.4	1980.0	1996.4
37.5°	1761.8	1797.0	1855.7	1895.5	1909.6
40°	1682.1	1712.5	1768.9	1808.7	1822.8
42.5°	1592.9	1625.7	1682.1	1717.2	1729.0
45°	1503.8	1536.6	1585.9	1623.4	1632.8
47.5°	1412.3	1442.8	1492.0	1522.5	1531.9
50°	1313.7	1341.9	1388.8	1419.3	1431.0
52.5°	1219.9	1245.7	1285.6	1311.4	1318.4
55°	1121.4	1144.8	1177.7	1205.8	1215.2
57.5°	1015.8	1041.6	1072.1	1095.6	1102.6
60°	914.9	936.0	961.8	983.0	985.3
62.5°	816.4	825.8	849.2	868.0	870.3
65°	706.1	720.2	743.7	750.7	762.4
67.5°	605.3	614.6	633.4	642.8	652.2
70°	502.0	509.1	527.8	539.6	541.9
72.5°	412.9	415.2	429.3	438.7	441.0
75°	321.4	326.1	337.8	344.9	349.5
77.5°	244.0	248.7	258.1	262.7	262.7
80°	171.3	178.3	187.7	190.0	192.4
82.5°	110.3	119.6	126.7	129.0	124.3
85°	58.6	70.4	70.4	65.7	68.0
87.5°	21.1	25.8	28.2	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)