

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: P296827

Luminaire Tested: **D3X-WD-67L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296827
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-67L82765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6473.0 lumens
Efficiency: N/A
Efficacy: 130.0 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

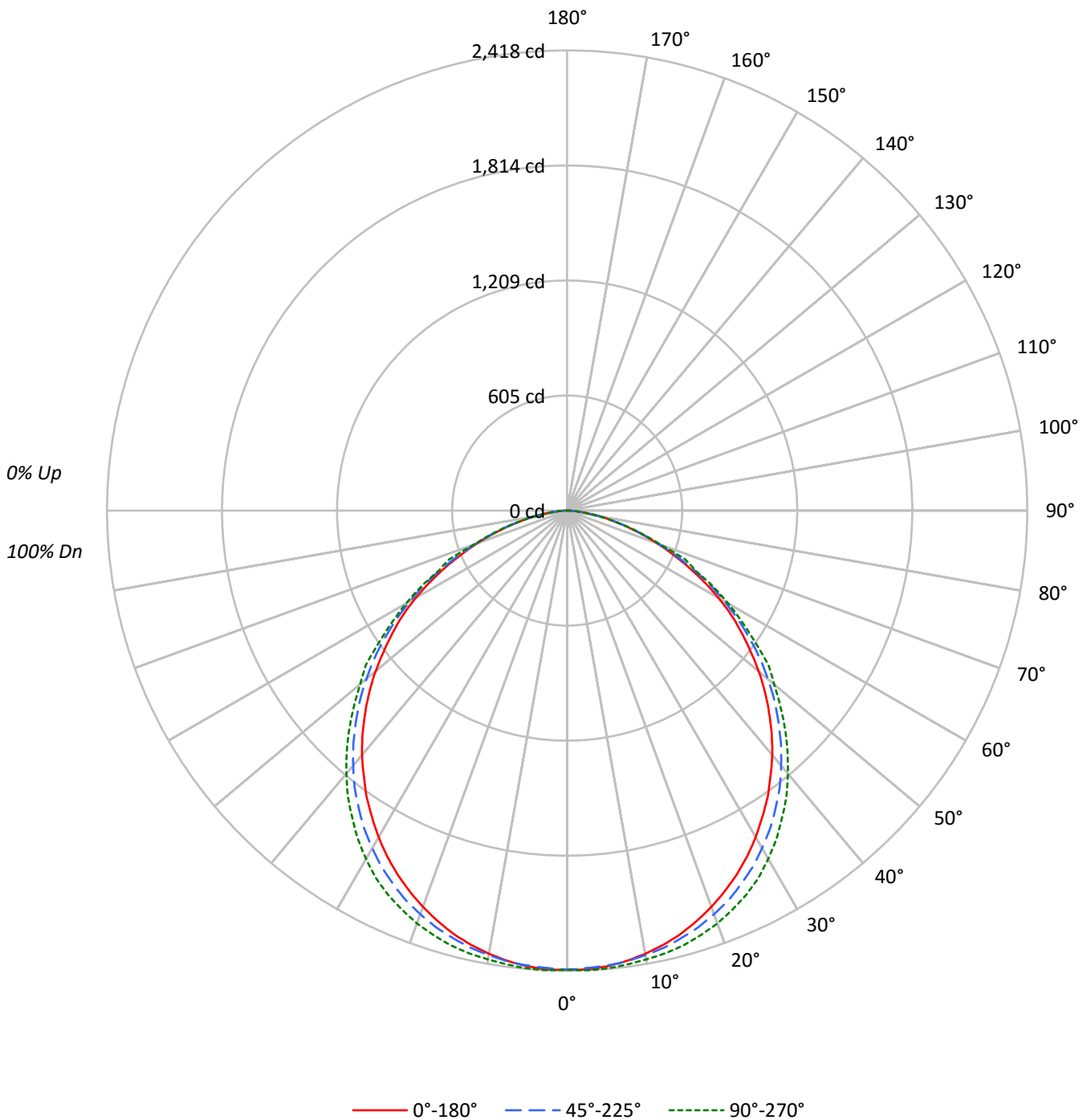
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3247	3247	3247
5°	3247	3240	3262
10°	3230	3240	3271
15°	3209	3238	3293
20°	3173	3232	3306
25°	3131	3214	3307
30°	3078	3183	3284
35°	3018	3136	3235
40°	2945	3072	3170
45°	2855	2987	3080
50°	2752	2883	2970
55°	2626	2746	2828
60°	2475	2569	2631
65°	2248	2322	2366
70°	1974	2019	2046
75°	1666	1691	1703
80°	1332	1350	1313
85°	897	932	897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.7	3.5
10°-20°	657.6	10.2
20°-30°	997.8	15.4
30°-40°	1191.3	18.4
40°-50°	1206.0	18.6
50°-60°	1042.5	16.1
60°-70°	722.5	11.2
70°-80°	349.6	5.4
80°-90°	76.9	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°	1884.2	29.1
0°-40°	3075.5	47.5
0°-60°	5324.0	82.2
0°-90°	6473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2413	2413	2413	2413	2413	
5°	2404	2402	2399	2411	2415	228
15°	2304	2309	2325	2353	2364	649
25°	2109	2123	2165	2209	2227	971
35°	1837	1853	1909	1958	1970	1148
45°	1500	1521	1570	1610	1619	1157
55°	1119	1131	1170	1219	1205	1000
65°	706	713	729	741	743	699
75°	320	323	325	323	328	344
85°	58	63	60	58	58	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2413.1	2413.1	2413.1	2413.1	2413.1
2.5°	2413.1	2410.8	2406.1	2413.1	2417.7
5°	2403.8	2401.5	2399.2	2410.8	2415.4
7.5°	2387.5	2387.5	2389.9	2401.5	2406.1
10°	2364.3	2366.6	2371.3	2389.9	2394.5
12.5°	2336.4	2341.1	2352.7	2373.6	2382.9
15°	2303.9	2308.6	2324.8	2352.7	2364.3
17.5°	2262.1	2271.4	2294.6	2327.2	2338.8
20°	2215.7	2227.3	2257.5	2294.6	2308.6
22.5°	2164.6	2176.2	2215.7	2255.2	2269.1
25°	2108.8	2122.8	2164.6	2208.7	2227.3
27.5°	2048.5	2064.7	2111.2	2157.6	2176.2
30°	1981.1	1999.7	2048.5	2097.2	2113.5
32.5°	1909.1	1927.7	1983.4	2029.9	2046.1
35°	1837.1	1853.4	1909.1	1957.9	1969.5
37.5°	1755.8	1774.4	1834.8	1876.6	1892.8
40°	1676.9	1695.4	1748.9	1790.7	1804.6
42.5°	1590.9	1609.5	1662.9	1702.4	1714.0
45°	1500.3	1521.2	1570.0	1609.5	1618.8
47.5°	1409.8	1426.0	1477.1	1512.0	1518.9
50°	1314.5	1330.8	1377.2	1412.1	1419.1
52.5°	1214.7	1240.2	1277.4	1302.9	1333.1
55°	1119.4	1131.1	1170.5	1219.3	1205.4
57.5°	1024.2	1031.2	1063.7	1084.6	1089.3
60°	919.7	929.0	954.6	966.2	977.8
62.5°	810.6	817.5	847.7	859.3	864.0
65°	706.0	713.0	729.3	740.9	743.2
67.5°	599.2	606.2	620.1	629.4	671.2
70°	501.7	506.3	513.3	531.9	520.2
72.5°	408.8	411.1	418.1	418.1	420.4
75°	320.5	322.8	325.2	322.8	327.5
77.5°	239.2	243.9	246.2	243.9	241.5
80°	171.9	176.5	174.2	169.5	169.5
82.5°	111.5	113.8	111.5	109.2	109.2
85°	58.1	62.7	60.4	58.1	58.1
87.5°	20.9	23.2	25.5	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)