

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: P298009

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2153.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

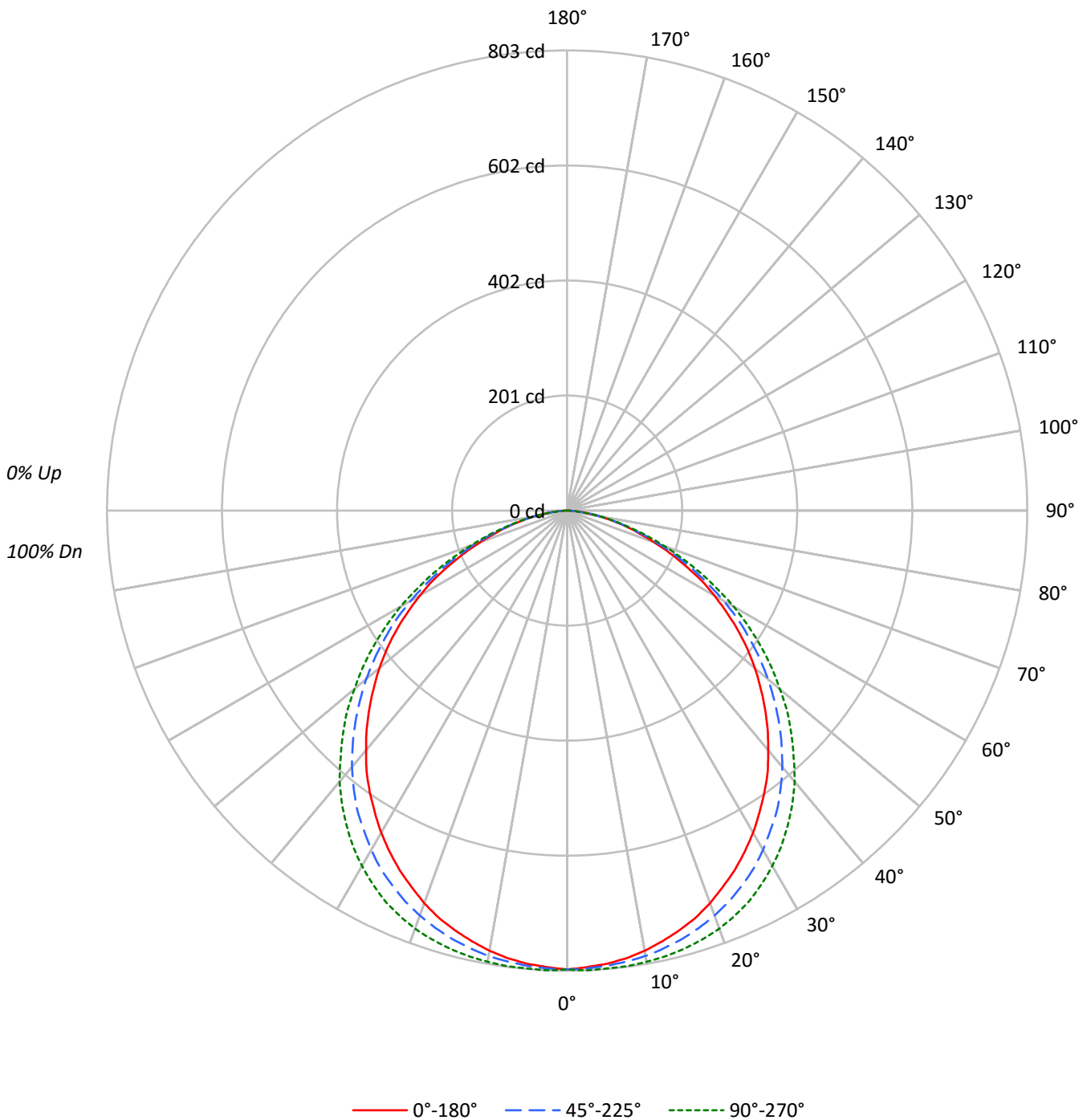
Input Watts (W): 18.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P298009

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P298009

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K

**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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	2155	2155	2155
5°	2144	2154	2166
10°	2131	2156	2185
15°	2111	2157	2205
20°	2087	2154	2224
25°	2054	2144	2233
30°	2017	2124	2225
35°	1972	2098	2204
40°	1917	2052	2170
45°	1857	1989	2108
50°	1790	1917	2028
55°	1707	1821	1936
60°	1597	1696	1809
65°	1446	1535	1631
70°	1276	1341	1413
75°	1097	1121	1169
80°	880	897	916
85°	645	571	571



TEST NUMBER: P298009

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	3.5
10°-20°	218.6	10.2
20°-30°	332.5	15.4
30°-40°	397.8	18.5
40°-50°	402.2	18.7
50°-60°	346.1	16.1
60°-70°	238.9	11.1
70°-80°	115.9	5.4
80°-90°	25.1	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°	627.0	29.1
0°-40°	1024.8	47.6
0°-60°	1773.1	82.4
0°-90°	2153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	794	795	797	801	802	75
15°	758	762	774	786	792	214
25°	692	700	722	744	752	319
35°	600	611	638	662	671	375
45°	488	497	523	545	554	376
55°	364	370	388	406	413	324
65°	227	231	241	252	256	226
75°	106	103	108	111	112	112
85°	21	21	18	18	18	25
90°	0	0	0	0	0	



TEST NUMBER: P298009

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	800.8	800.8	800.8	800.8	800.8
2.5°	797.3	797.3	799.6	801.9	803.1
5°	793.8	795.0	797.3	800.8	801.9
7.5°	788.0	789.2	793.8	799.6	801.9
10°	779.9	782.2	789.2	796.2	799.6
12.5°	769.5	774.1	782.2	791.5	796.2
15°	757.9	762.5	774.1	785.7	791.5
17.5°	745.2	749.8	763.7	778.8	784.6
20°	728.9	735.9	752.1	769.5	776.5
22.5°	710.4	719.7	738.2	756.8	764.9
25°	691.9	700.0	722.0	744.0	752.1
27.5°	671.0	680.3	704.6	726.6	734.7
30°	649.0	658.2	683.7	708.1	716.2
32.5°	624.6	636.2	660.6	686.1	695.3
35°	600.3	610.7	638.5	661.7	671.0
37.5°	574.8	584.1	611.9	636.2	645.5
40°	545.8	556.3	584.1	608.4	617.7
42.5°	518.0	528.5	553.9	577.1	585.2
45°	487.9	497.2	522.7	544.7	553.9
47.5°	457.8	468.2	490.2	512.2	521.5
50°	427.6	435.7	457.8	478.6	484.4
52.5°	396.3	403.3	423.0	441.5	449.6
55°	363.9	369.7	388.2	405.6	412.6
57.5°	329.1	336.1	353.5	366.2	374.3
60°	296.7	300.2	315.2	328.0	336.1
62.5°	264.2	265.4	277.0	289.7	294.4
65°	227.1	230.6	241.0	251.5	256.1
67.5°	193.5	197.0	205.1	213.2	216.7
70°	162.2	162.2	170.4	176.2	179.6
72.5°	131.0	132.1	137.9	141.4	144.9
75°	105.5	103.1	107.8	111.3	112.4
77.5°	78.8	77.6	81.1	82.3	84.6
80°	56.8	56.8	57.9	59.1	59.1
82.5°	37.1	37.1	38.2	35.9	34.8
85°	20.9	20.9	18.5	18.5	18.5
87.5°	7.0	7.0	7.0	8.1	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)