

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: P298340

Luminaire Tested: **D3X-WO-20L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-20L82765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2065.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

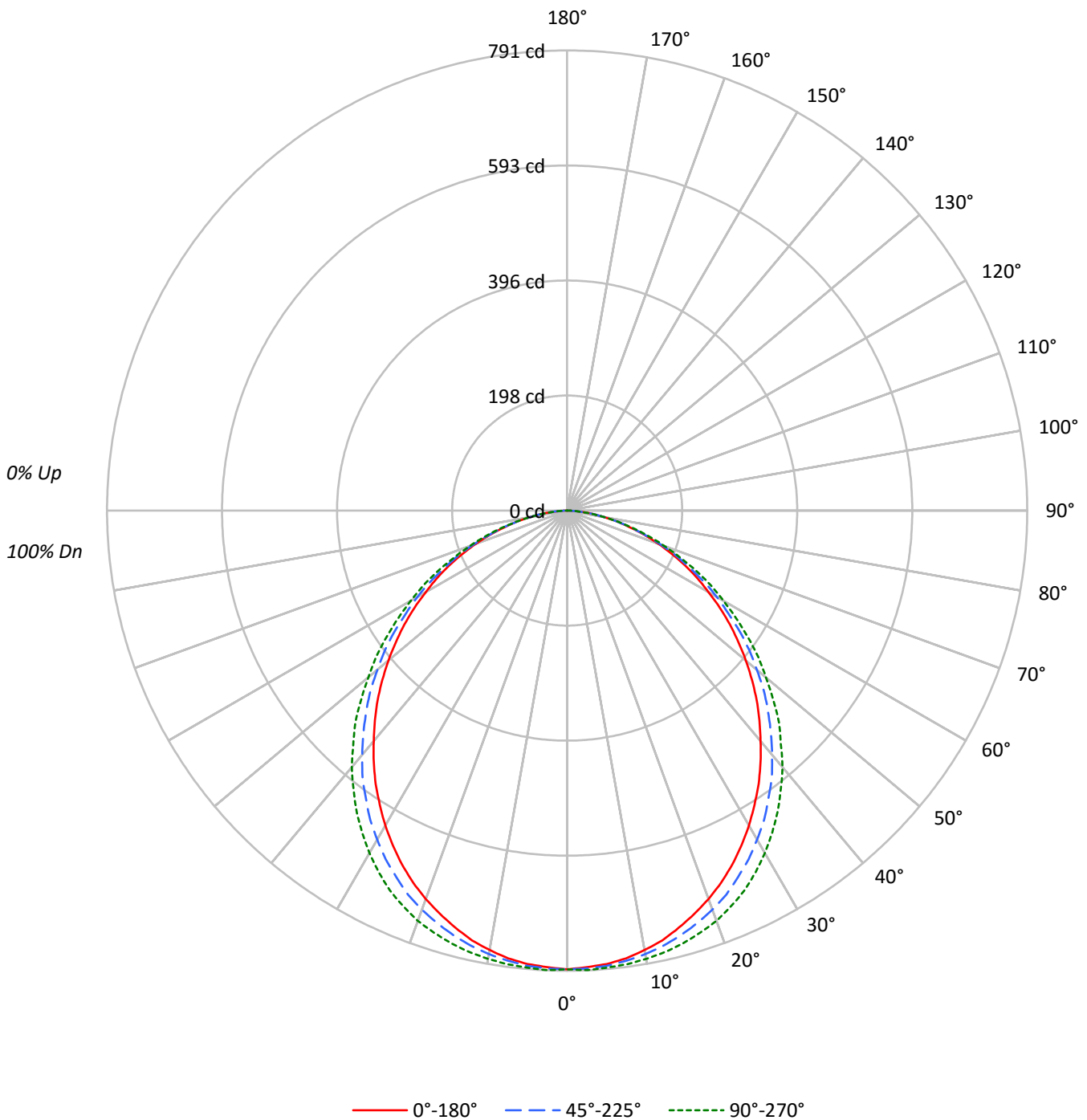
Input Watts (W): 15.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2122	2122	2122
5°	2113	2122	2130
10°	2096	2115	2138
15°	2068	2105	2145
20°	2035	2090	2149
25°	1993	2064	2140
30°	1942	2029	2112
35°	1885	1983	2074
40°	1817	1925	2023
45°	1753	1859	1960
50°	1679	1782	1868
55°	1602	1698	1780
60°	1511	1599	1671
65°	1427	1480	1552
70°	1311	1351	1400
75°	1166	1198	1229
80°	1004	987	987
85°	763	698	636



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	3.6
10°-20°	213.2	10.3
20°-30°	320.1	15.5
30°-40°	376.8	18.2
40°-50°	375.8	18.2
50°-60°	322.5	15.6
60°-70°	231.0	11.2
70°-80°	122.3	5.9
80°-90°	28.6	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°	608.0	29.4
0°-40°	984.8	47.7
0°-60°	1683.1	81.5
0°-90°	2065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	782	782	786	788	789	74
15°	742	745	756	766	770	209
25°	671	678	695	712	721	309
35°	574	581	604	624	631	358
45°	461	468	488	506	515	355
55°	341	346	362	374	379	305
65°	224	225	232	242	244	221
75°	112	112	115	117	118	120
85°	25	24	23	21	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.6	788.6	788.6	788.6	788.6
2.5°	785.5	785.5	787.6	789.6	790.7
5°	782.4	782.4	785.5	787.6	788.6
7.5°	776.3	776.3	780.4	784.5	786.5
10°	767.0	769.1	774.2	780.4	782.4
12.5°	756.7	758.8	766.0	774.2	777.3
15°	742.3	745.4	755.7	766.0	770.1
17.5°	726.9	731.0	743.4	755.7	760.8
20°	710.5	714.6	730.0	744.4	750.6
22.5°	692.0	697.1	714.6	730.0	736.2
25°	671.4	677.6	695.0	712.5	720.7
27.5°	648.8	656.0	675.5	694.0	701.2
30°	625.1	633.4	652.9	672.4	679.6
32.5°	599.4	606.6	630.3	648.8	656.0
35°	573.7	580.9	603.5	624.1	631.3
37.5°	546.0	555.2	577.8	596.3	603.5
40°	517.2	526.4	548.0	569.6	575.8
42.5°	489.4	497.6	518.2	537.7	543.9
45°	460.6	467.8	488.4	505.9	515.1
47.5°	430.8	438.0	458.6	475.0	480.2
50°	401.0	408.2	425.7	440.1	446.2
52.5°	371.2	378.4	394.8	408.2	414.4
55°	341.4	346.5	361.9	374.3	379.4
57.5°	311.5	315.6	328.0	341.4	344.4
60°	280.7	285.8	297.1	306.4	310.5
62.5°	252.9	255.0	265.3	273.5	278.6
65°	224.1	225.2	232.4	241.6	243.7
67.5°	194.3	195.4	202.5	207.7	209.7
70°	166.6	166.6	171.7	175.8	177.9
72.5°	139.8	138.8	141.9	146.0	148.1
75°	112.1	112.1	115.2	117.2	118.2
77.5°	88.4	86.4	88.4	90.5	90.5
80°	64.8	63.7	63.7	64.8	63.7
82.5°	44.2	43.2	44.2	42.2	41.1
85°	24.7	23.6	22.6	20.6	20.6
87.5°	8.2	7.2	7.2	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)