

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P601081

Luminaire Tested: 22D3X-LP-20-L835

Issue Date: 10/5/2023

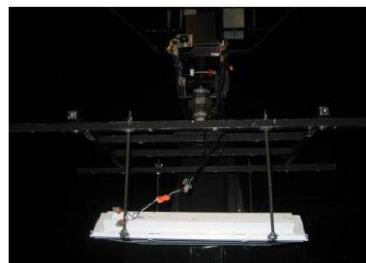
Test Information

Test Method: LM-79-2019
Report Number: P601081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-20-L835
Description: 2x2 D3X-LP AT 2000LM 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

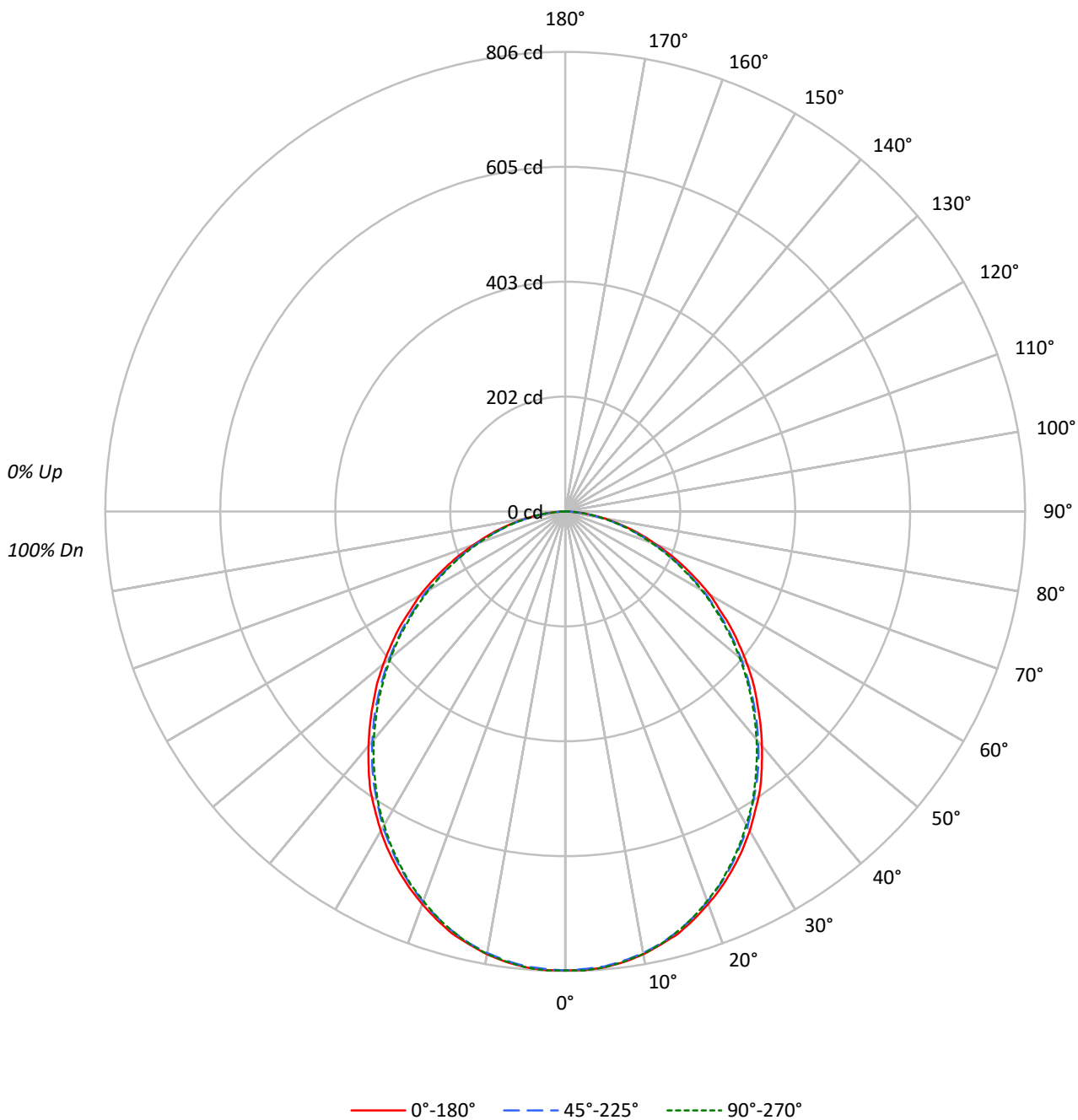
Lumens per Lamp: N/A
Luminaire Lumens: 2011.0 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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: 24 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	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2166	2166	2166
5°	2167	2163	2167
10°	2155	2149	2153
15°	2135	2124	2124
20°	2098	2086	2082
25°	2059	2040	2032
30°	2010	1985	1972
35°	1956	1919	1906
40°	1884	1847	1833
45°	1812	1769	1754
50°	1742	1685	1671
55°	1662	1602	1579
60°	1579	1510	1488
65°	1470	1398	1383
70°	1343	1293	1261
75°	1225	1150	1158
80°	1055	993	1006
85°	818	790	741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.8
10°-20°	214.9	10.7
20°-30°	316.6	15.7
30°-40°	366.2	18.2
40°-50°	360.0	17.9
50°-60°	306.8	15.3
60°-70°	219.8	10.9
70°-80°	119.4	5.9
80°-90°	31.1	1.5
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°	607.5	30.2
0°-40°	973.7	48.4
0°-60°	1640.6	81.6
0°-90°	2011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	802	801	801	801	802	76
15°	766	763	762	762	762	216
25°	693	690	687	685	684	319
35°	596	591	584	581	580	371
45°	476	473	465	461	461	368
55°	354	348	342	338	337	316
65°	231	226	220	217	217	229
75°	118	114	111	109	111	124
85°	26	26	26	25	24	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.8	804.8	804.8	804.8	804.8
2.5°	804.8	804.0	803.1	804.0	805.6
5°	802.3	800.7	800.7	800.7	802.3
7.5°	796.7	795.1	794.3	795.1	795.9
10°	788.7	787.1	786.3	787.1	787.9
12.5°	777.5	776.7	775.9	775.9	776.7
15°	766.3	763.1	762.3	761.5	762.3
17.5°	750.2	749.4	746.2	746.2	746.2
20°	732.6	731.0	728.6	727.0	727.0
22.5°	714.2	712.6	708.6	707.0	707.8
25°	693.3	690.1	686.9	685.3	684.5
27.5°	670.9	667.7	662.9	660.5	660.5
30°	646.8	644.4	638.8	635.6	634.8
32.5°	620.4	618.8	610.8	609.2	609.2
35°	595.5	590.7	584.3	581.1	580.3
37.5°	565.9	562.7	556.3	552.3	551.5
40°	536.2	532.2	525.8	522.6	521.8
42.5°	506.6	502.6	496.2	492.1	491.3
45°	476.1	472.9	464.9	460.9	460.9
47.5°	447.3	440.9	433.6	430.4	429.6
50°	416.0	410.4	402.4	399.2	399.2
52.5°	384.7	380.7	371.9	370.3	368.7
55°	354.3	347.9	341.5	337.5	336.6
57.5°	321.4	315.8	309.4	306.2	306.2
60°	293.4	286.2	280.5	276.5	276.5
62.5°	261.3	254.9	249.3	246.9	246.1
65°	230.8	226.0	219.6	217.2	217.2
67.5°	200.4	196.4	190.8	188.4	189.2
70°	170.7	168.3	164.3	161.1	160.3
72.5°	143.5	140.3	136.3	135.5	135.5
75°	117.8	113.8	110.6	109.0	111.4
77.5°	91.4	89.0	87.4	86.6	87.4
80°	68.1	64.9	64.1	64.9	64.9
82.5°	47.3	45.7	44.9	44.9	44.9
85°	26.5	26.5	25.6	24.8	24.0
87.5°	10.4	10.4	11.2	11.2	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)