

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: P601217

Luminaire Tested: 14D3X-LP-25-L835

Issue Date: 10/6/2023

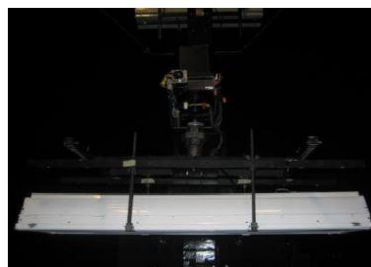
Test Information

Test Method: LM-79-2019
Report Number: P601217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/6/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-25-L835
Description: 1x4 D3X-LP AT 2500lm 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

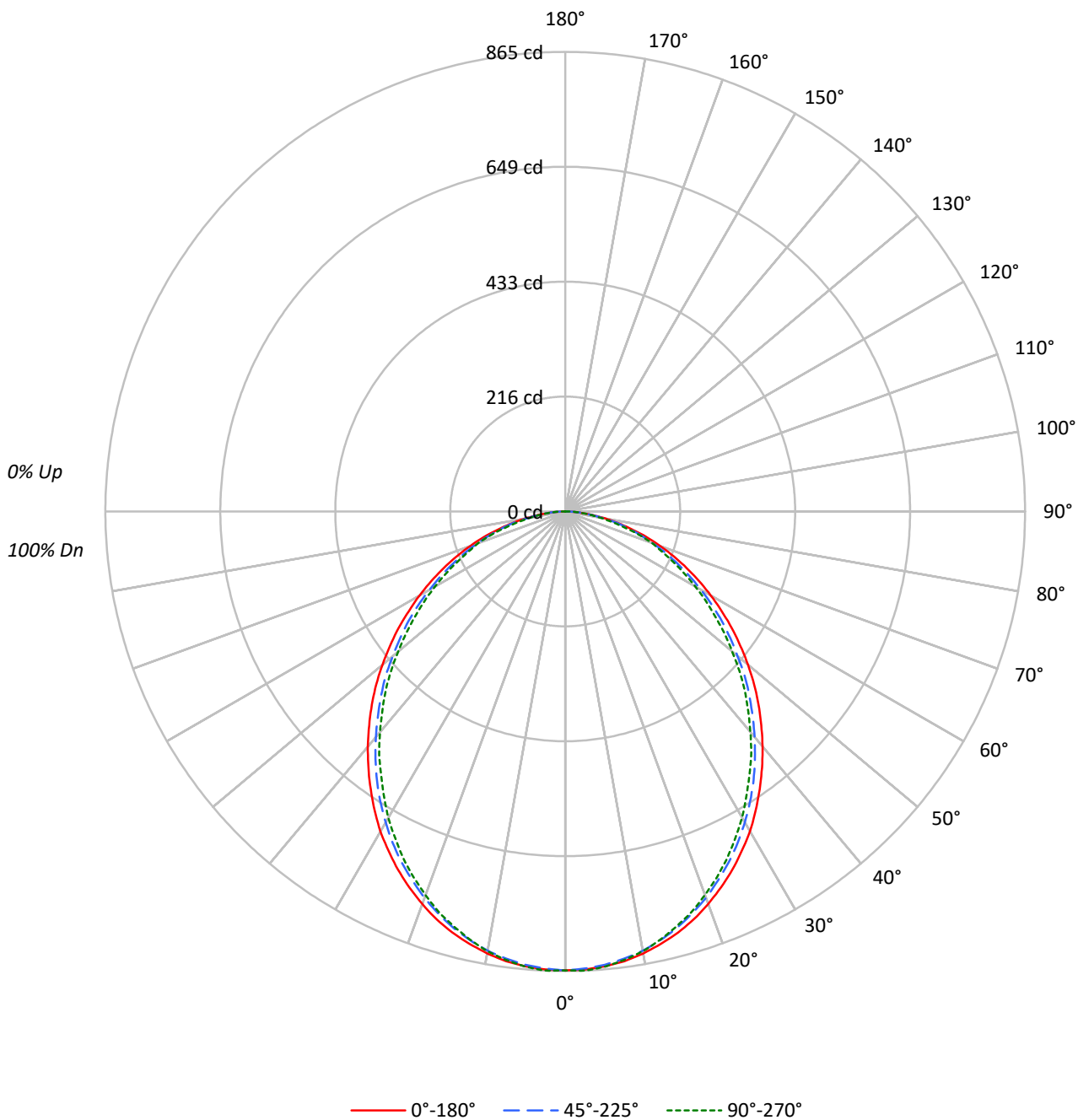
Lumens per Lamp: N/A
Luminaire Lumens: 2137.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	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	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	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	35
8	62	48	40	34	60	48	40	34	46	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°	2324	2324	2324
5°	2321	2314	2323
10°	2308	2294	2297
15°	2286	2261	2253
20°	2251	2216	2200
25°	2209	2162	2139
30°	2160	2099	2068
35°	2096	2029	1985
40°	2029	1946	1903
45°	1957	1863	1818
50°	1878	1772	1715
55°	1795	1688	1616
60°	1703	1585	1521
65°	1606	1485	1421
70°	1495	1384	1367
75°	1344	1280	1186
80°	1184	1106	1020
85°	954	954	936

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	3.8
10°-20°	229.1	10.7
20°-30°	336.0	15.7
30°-40°	387.0	18.1
40°-50°	379.8	17.8
50°-60°	323.1	15.1
60°-70°	233.6	10.9
70°-80°	130.5	6.1
80°-90°	36.4	1.7
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°	646.6	30.3
0°-40°	1033.6	48.4
0°-60°	1736.5	81.3
0°-90°	2137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	859	859	856	859	860	82
15°	820	818	812	810	809	231
25°	744	738	728	723	720	343
35°	638	629	618	608	604	399
45°	514	504	490	480	478	397
55°	383	373	360	350	344	342
65°	252	246	233	224	223	250
75°	129	128	123	116	114	139
85°	31	33	31	30	30	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.8	863.8	863.8	863.8	863.8
2.5°	862.7	862.7	861.0	864.3	864.9
5°	859.3	859.3	856.5	859.3	859.9
7.5°	853.7	852.5	849.2	851.4	851.4
10°	844.7	843.6	839.6	840.2	840.7
12.5°	833.4	831.8	826.7	826.1	825.6
15°	820.5	817.7	811.5	810.4	808.7
17.5°	804.8	800.8	793.5	791.9	790.7
20°	786.2	781.2	773.9	769.9	768.2
22.5°	766.0	760.4	751.4	747.5	745.2
25°	744.1	737.9	728.3	722.7	720.5
27.5°	719.9	713.2	703.1	695.7	692.9
30°	695.2	686.8	675.5	668.2	665.4
32.5°	667.1	658.1	647.4	638.4	634.5
35°	637.9	629.4	617.6	608.1	604.1
37.5°	608.1	600.2	586.2	577.7	574.9
40°	577.7	568.7	554.1	544.0	541.8
42.5°	545.7	537.8	521.5	513.1	509.2
45°	514.2	504.1	489.5	479.9	477.7
47.5°	482.2	471.0	458.0	447.3	444.5
50°	448.5	438.4	423.2	413.6	409.7
52.5°	415.3	406.3	391.1	380.5	377.7
55°	382.7	372.6	359.7	349.6	344.5
57.5°	348.4	340.6	327.1	317.5	313.6
60°	316.4	307.4	294.5	286.6	282.7
62.5°	283.8	274.8	264.1	255.7	252.3
65°	252.3	245.6	233.2	224.2	223.1
67.5°	220.9	215.2	204.6	195.6	196.1
70°	190.0	184.9	175.9	170.3	173.7
72.5°	160.7	157.9	147.8	143.9	145.6
75°	129.3	127.6	123.1	115.8	114.1
77.5°	102.8	104.0	98.9	89.9	87.7
80°	76.4	79.2	71.4	68.6	65.8
82.5°	52.8	56.8	50.0	47.8	46.6
85°	30.9	32.6	30.9	30.3	30.3
87.5°	12.9	15.2	15.2	15.7	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)