

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: P601225

Luminaire Tested: 14D3X-LP-30-L930

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601225
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-30-L930
Description: 1x4 D3X-LP AT 3000lm 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

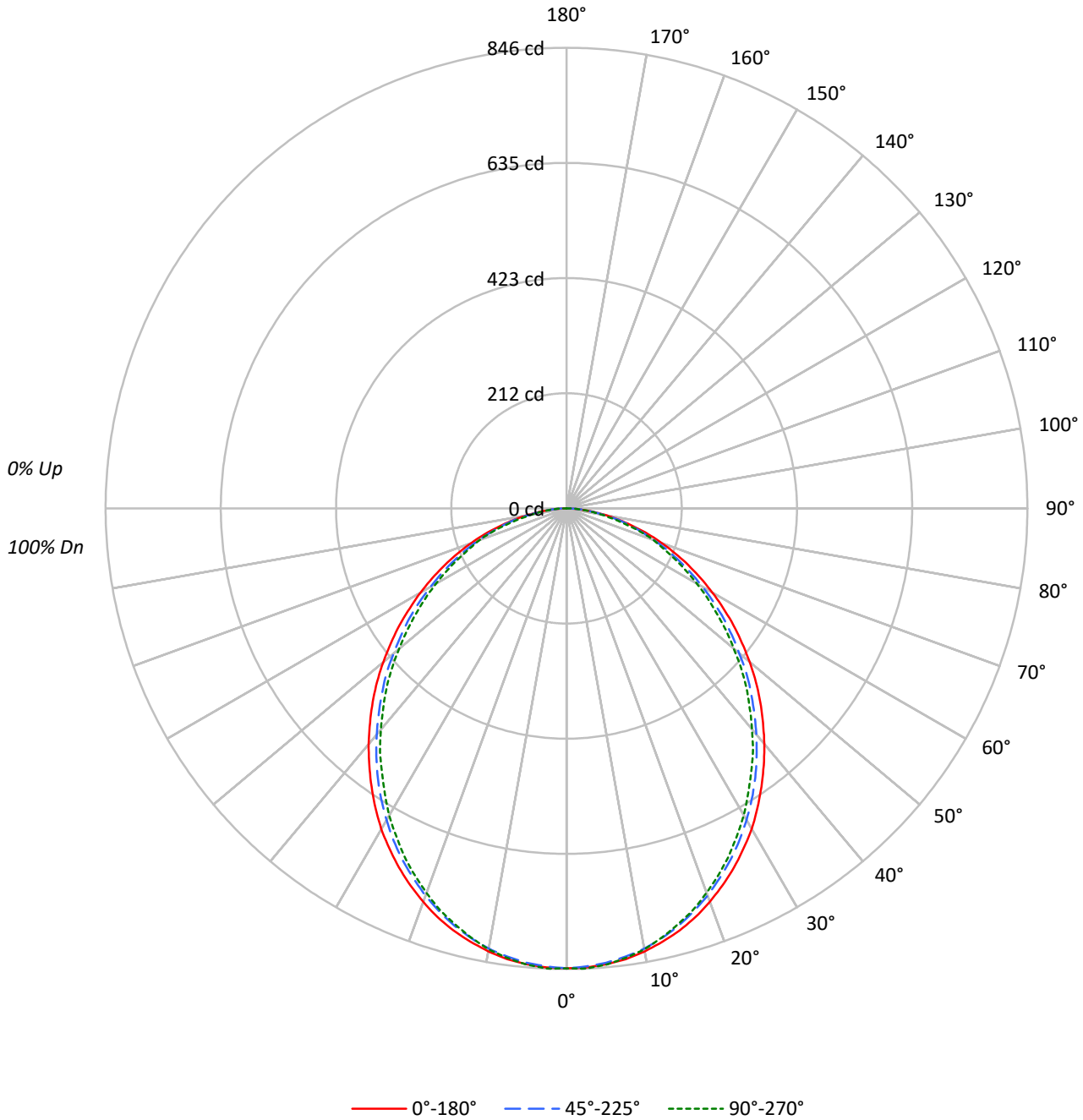
Lumens per Lamp: N/A
Luminaire Lumens: 2090.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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°	2273	2273	2273
5°	2270	2263	2271
10°	2257	2244	2247
15°	2236	2211	2203
20°	2202	2167	2152
25°	2161	2115	2092
30°	2113	2053	2022
35°	2049	1984	1941
40°	1985	1904	1861
45°	1914	1822	1778
50°	1836	1733	1677
55°	1756	1650	1581
60°	1665	1550	1488
65°	1571	1452	1389
70°	1462	1353	1336
75°	1314	1252	1160
80°	1159	1082	996
85°	932	932	917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	3.8
10°-20°	224.1	10.7
20°-30°	328.6	15.7
30°-40°	378.5	18.1
40°-50°	371.4	17.8
50°-60°	316.0	15.1
60°-70°	228.5	10.9
70°-80°	127.7	6.1
80°-90°	35.6	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°	632.3	30.3
0°-40°	1010.9	48.4
0°-60°	1698.3	81.3
0°-90°	2090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	840	840	838	840	841	80
15°	802	800	794	793	791	226
25°	728	722	712	707	705	335
35°	624	616	604	595	591	390
45°	503	493	479	469	467	388
55°	374	364	352	342	337	334
65°	247	240	228	219	218	244
75°	126	125	120	113	112	136
85°	30	32	30	30	30	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	844.8	844.8	844.8	844.8	844.8
2.5°	843.7	843.7	842.0	845.3	845.9
5°	840.4	840.4	837.6	840.4	840.9
7.5°	834.9	833.8	830.5	832.7	832.7
10°	826.1	825.0	821.2	821.7	822.3
12.5°	815.1	813.5	808.5	808.0	807.4
15°	802.5	799.7	793.7	792.6	790.9
17.5°	787.1	783.2	776.1	774.4	773.3
20°	768.9	764.0	756.8	753.0	751.4
22.5°	749.2	743.7	734.9	731.0	728.8
25°	727.7	721.7	712.3	706.8	704.6
27.5°	704.1	697.5	687.6	680.4	677.7
30°	679.9	671.7	660.7	653.5	650.8
32.5°	652.4	643.6	633.2	624.4	620.5
35°	623.8	615.6	604.0	594.7	590.9
37.5°	594.7	587.0	573.3	565.0	562.3
40°	565.0	556.2	541.9	532.0	529.8
42.5°	533.7	526.0	510.1	501.8	498.0
45°	502.9	493.0	478.7	469.4	467.2
47.5°	471.6	460.6	448.0	437.5	434.8
50°	438.6	428.7	413.9	404.5	400.7
52.5°	406.2	397.4	382.5	372.1	369.4
55°	374.3	364.4	351.8	341.9	336.9
57.5°	340.8	333.1	319.9	310.5	306.7
60°	309.4	300.7	288.0	280.3	276.5
62.5°	277.6	268.8	258.3	250.1	246.8
65°	246.8	240.2	228.1	219.3	218.2
67.5°	216.0	210.5	200.1	191.3	191.8
70°	185.8	180.8	172.0	166.5	169.8
72.5°	157.2	154.4	144.6	140.7	142.4
75°	126.4	124.8	120.4	113.2	111.6
77.5°	100.6	101.7	96.7	87.9	85.7
80°	74.8	77.5	69.8	67.1	64.3
82.5°	51.7	55.5	48.9	46.7	45.6
85°	30.2	31.9	30.2	29.7	29.7
87.5°	12.6	14.8	14.8	15.4	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)