

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: SHAPER

Report Number: P600703

Luminaire Tested: 215-90-35K-LL2-UNV-STD-X-X-WHHR-BR-X

Issue Date: 7/6/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P600703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2203-582-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/6/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: SHAPER  
Catalog Number: 215-90-35K-LL2-UNV-STD-X-X-WHHR-BR-X  
Description: SHAPER PrentaLux 200 SERIES 3D PRINTED LUMINAIRE  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

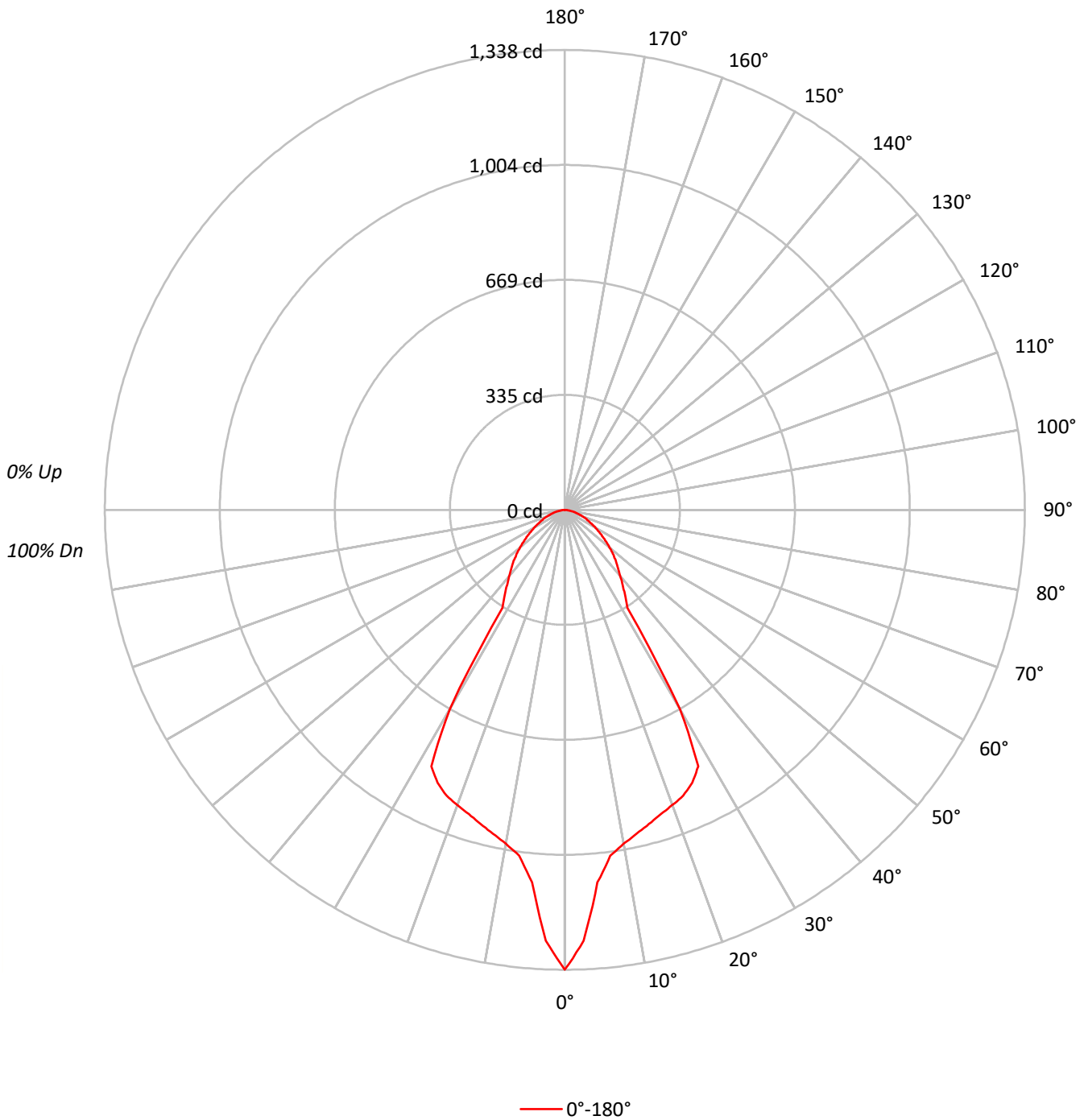
Lumens per Lamp: N/A  
Luminaire Lumens: 1371.8 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.85  
Luminous Opening: Circular (Dia: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.9  
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									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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90																												
2	104	98	93	89	102	96	92	87	93	89	86	90	87	84	87	84	82	80																												
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72																												
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65																												
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59																												
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54																												
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50																												
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46																												
9	68	56	49	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43																												
10	64	53	46	42	63	52	46	42	51	46	42	51	45	41	50	45	41	40																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	18333
5°	14965
10°	13722
15°	13422
20°	13329
25°	13242
30°	10589
35°	5113
40°	4480
45°	4068
50°	3612
55°	3173
60°	2777
65°	2426
70°	2120
75°	1790
80°	1247
85°	440

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4068 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.8	7.4
10°-20°	267.5	19.5
20°-30°	391.8	28.6
30°-40°	212.9	15.5
40°-50°	161.6	11.8
50°-60°	119.5	8.7
60°-70°	75.1	5.5
70°-80°	35.9	2.6
80°-90°	5.7	0.4
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°	761.1	55.5
0°-40°	974.0	71.0
0°-60°	1255.1	91.5
0°-90°	1371.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1371.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1338	
5°	1088	102
15°	946	267
25°	876	392
35°	306	213
45°	210	162
55°	133	120
65°	75	75
75°	34	36
85°	3	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1337.7
2.5°	1254.9
5°	1087.8
7.5°	1014.7
10°	986.0
12.5°	965.1
15°	946.0
17.5°	928.0
20°	913.9
22.5°	900.4
25°	875.7
27.5°	840.8
30°	669.1
32.5°	337.7
35°	305.6
37.5°	276.3
40°	250.4
42.5°	229.6
45°	209.9
47.5°	189.6
50°	169.4
52.5°	150.8
55°	132.8
57.5°	116.5
60°	101.3
62.5°	87.8
65°	74.8
67.5°	64.2
70°	52.9
72.5°	43.3
75°	33.8
77.5°	24.8
80°	15.8
82.5°	9.0
85°	2.8
87.5°	1.1
90°	0.0

(END OF REPORT)