

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: G3-2203-583-11

Luminaire Tested: 307-FR-120-DGYS-GDME

Test Date: 6/14/2022

Test Information

Test Method: LM-79-2019
Report Number: G3-2203-583-11
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 6/14/2022
Issue Date: 6/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: SHAPER
Catalog Number: 307-FR-120-DGYS-GDME
Description: 3D PRINTED LED LAMP BASED DECORATIVE LUMIANIRE, DARK GRAY (OPAQUE)
SHADE, FROSTED LAMP
Light Source: 1 PHILIPS
FROSTED BULB - 60W EQUIVALENT 929002036204 8.8A19/PER/930/P/E26/DIM
6/1FB T20. PHILIPS
Ballast/Driver: PHILIPS
INTEGRAL TO LAMP

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 289.5 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.21
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 0.67' x H: 1')
CIE Type: Direct

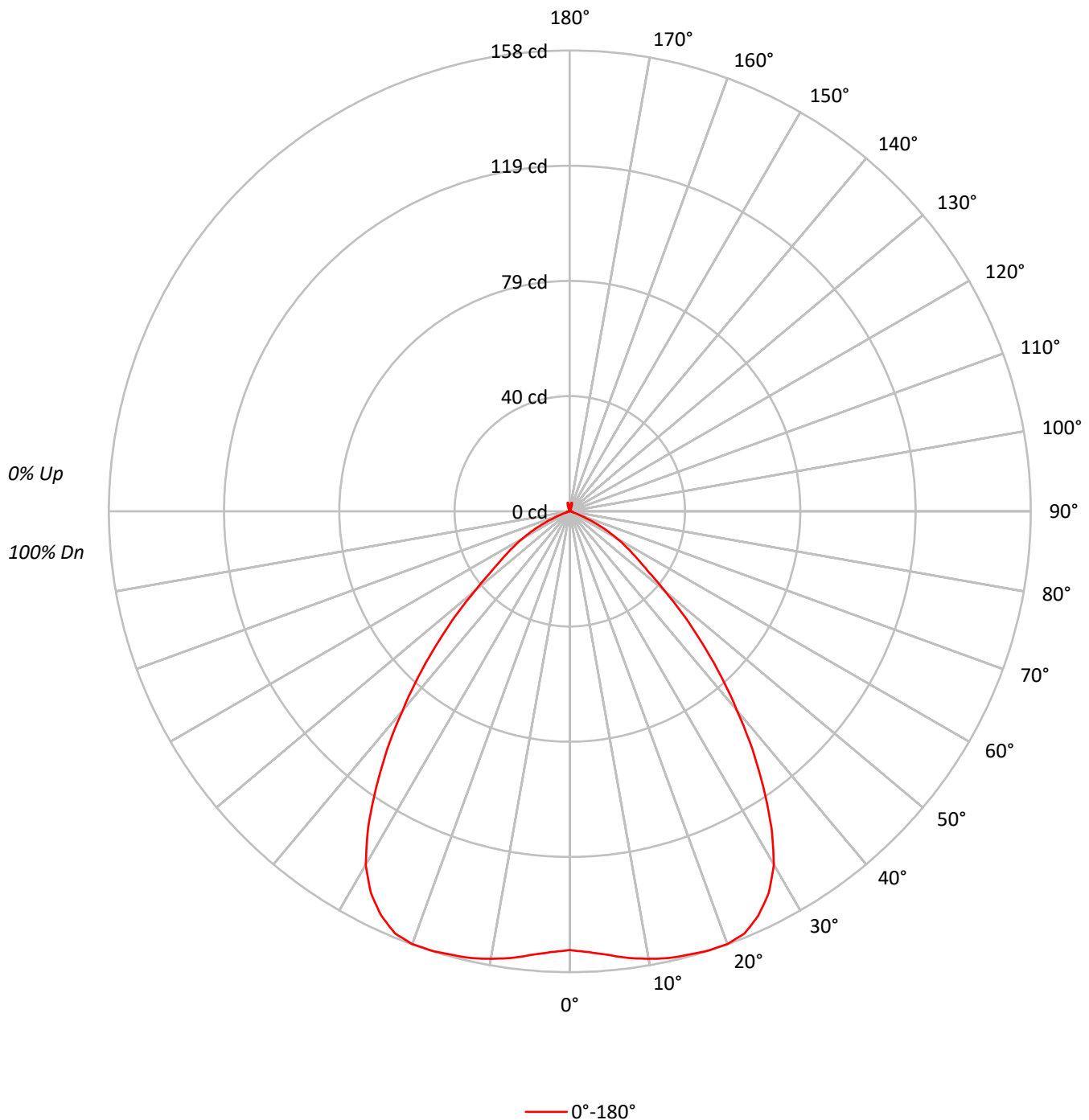
Input Watts (W): 7.6
Input Voltage (V): 120.0
Input Current (A_{in}): 0.0671
Voltage Rise (V): NR
Power Factor: 0.9982
Total Harmonic Distortion (THDi): 70.5%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 7.0 HR
Ambient Temperature (°C): 24.9
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	104	98	93	89	102	96	92	88	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	76	73	72		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52		
7	74	62	55	50	72	62	55	50	60	54	49	59	53	49	58	52	49	47		
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36		

	0°
0°	3643
5°	3282
10°	3030
15°	2815
20°	2632
25°	2404
30°	2097
35°	1668
40°	1249
45°	882
50°	574
55°	375
60°	253
65°	130
70°	30
75°	14
80°	12
85°	8

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	5.1
10°-20°	44.6	15.4
20°-30°	69.9	24.1
30°-40°	71.9	24.8
40°-50°	49.9	17.2
50°-60°	25.7	8.9
60°-70°	9.7	3.4
70°-80°	1.2	0.4
80°-90°	0.5	0.2
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°	0.1	0.0
150°-160°	0.2	0.1
160°-170°	0.8	0.3
170°-180°	0.2	0.1
0°-30°	129.2	44.6
0°-40°	201.0	69.5
0°-60°	276.7	95.6
0°-90°	288.1	99.5
90°-120°	0.0	0.0
90°-150°	0.2	0.1
90°-180°	1.0	0.3
0°-180°	289.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	150	
5°	153	15
15°	157	45
25°	153	70
35°	116	72
45°	64	50
55°	28	26
65°	10	10
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	3	1
175°	1	0
180°	1	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	150.4
2.5°	151.3
5°	152.7
7.5°	154.5
10°	155.8
12.5°	156.9
15°	157.4
17.5°	157.9
20°	157.9
22.5°	156.6
25°	152.9
27.5°	147.6
30°	139.9
32.5°	128.6
35°	115.7
37.5°	102.8
40°	89.2
42.5°	76.7
45°	64.4
47.5°	53.3
50°	42.5
52.5°	33.8
55°	27.9
57.5°	23.3
60°	18.8
62.5°	14.2
65°	9.6
67.5°	5.4
70°	2.2
72.5°	1.1
75°	1.0
77.5°	0.9
80°	0.8
82.5°	0.7
85°	0.5
87.5°	0.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.1
127.5°	0.1
130°	0.0
132.5°	0.0
135°	0.1
137.5°	0.1
140°	0.1
142.5°	0.1
145°	0.2
147.5°	0.1
150°	0.2
152.5°	0.1
155°	0.3
157.5°	0.9
160°	1.8
162.5°	2.6
165°	3.0
167.5°	3.0
170°	2.8
172.5°	1.7
175°	1.0
177.5°	1.0
180°	1.0

(END OF REPORT)