

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: HALO

Report Number: P683858

Luminaire Tested: CJB6099FS1EMW-4000K

Issue Date: 5/9/2023

Test Information

Test Method: LM-79-2019
Report Number: P683858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2304-981-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: CJB6099FS1EMW-4000K
Description: 6IN J-BOX LED DOWNLIGHT WITH SELECTABLE CCT
Light Source: (1) 4000K CCT, 94 CRI LEDS
Ballast/Driver: -

Summary

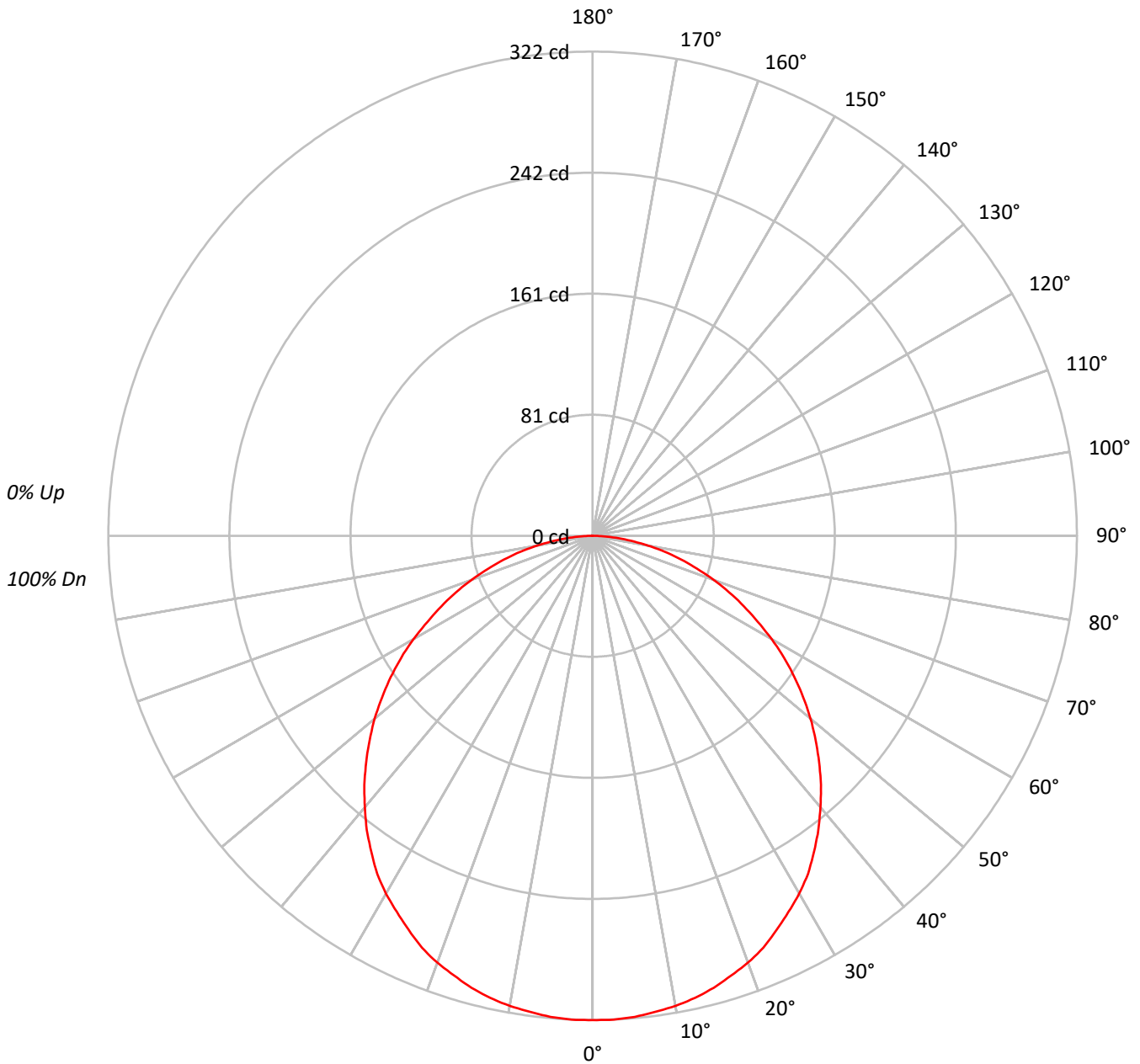
Lumens per Lamp: N/A
Luminaire Lumens: 915.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.2
Input Voltage (V): 120
Input Current (A_{in}): 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: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59																			
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50																			
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38																			
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30																			
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27																			
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	17658
5°	17675
10°	17674
15°	17662
20°	17624
25°	17499
30°	17395
35°	17172
40°	16860
45°	16506
50°	16136
55°	15655
60°	15065
65°	14398
70°	13704
75°	12920
80°	11775
85°	9749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	3.3
10°-20°	87.8	9.6
20°-30°	133.4	14.6
30°-40°	160.5	17.5
40°-50°	164.3	18.0
50°-60°	146.4	16.0
60°-70°	110.0	12.0
70°-80°	64.4	7.0
80°-90°	17.7	1.9
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°	251.8	27.5
0°-40°	412.3	45.1
0°-60°	722.9	79.0
0°-90°	915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	322	
5°	321	31
15°	311	88
25°	289	133
35°	257	160
45°	213	164
55°	164	146
65°	111	110
75°	61	64
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	322.1
2.5°	322.1
5°	321.2
7.5°	319.3
10°	317.5
12.5°	314.8
15°	311.2
17.5°	306.6
20°	302.1
22.5°	296.6
25°	289.3
27.5°	282.0
30°	274.8
32.5°	266.6
35°	256.6
37.5°	246.6
40°	235.6
42.5°	224.7
45°	212.9
47.5°	201.1
50°	189.2
52.5°	176.5
55°	163.8
57.5°	151.0
60°	137.4
62.5°	123.7
65°	111.0
67.5°	98.3
70°	85.5
72.5°	72.8
75°	61.0
77.5°	49.1
80°	37.3
82.5°	25.5
85°	15.5
87.5°	5.5
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670246102 / DESKTOP-IQ7I0JM

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— 0°-180°

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