

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: P626470

Luminaire Tested: HLBC6LS9FSD2WE010MWR-2700K-900lm

Issue Date: 11/17/2022

Test Information

Test Method: LM-79-2019
Report Number: P626470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2209543B001)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/17/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HLBC6LS9FSD2WE010MWR-2700K-900lm
Description: 6IN CANLESS LED DOWNLIGHT WITH SELECTABLE CCT AND SELECTABLE LUMEN OUTPUT
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

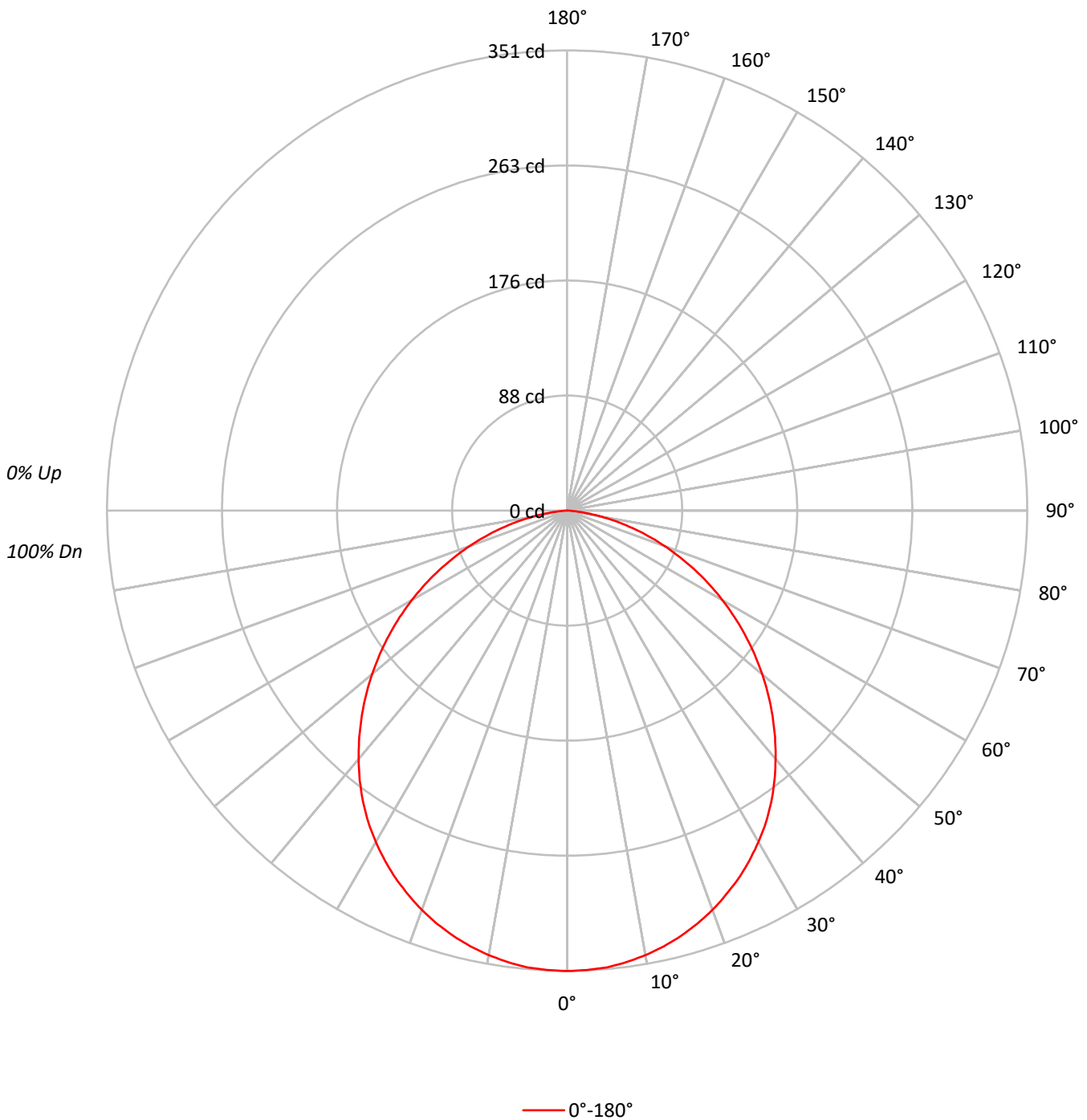
Lumens per Lamp: N/A
Luminaire Lumens: 930.1 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Circular (Dia: 0.5m x H: 0m)
CIE Type: Direct

Input Watts (W): 11.4
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: 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				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	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		53	47	42		52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1789
5°	1788
10°	1781
15°	1771
20°	1757
25°	1739
30°	1717
35°	1687
40°	1645
45°	1595
50°	1539
55°	1473
60°	1394
65°	1299
70°	1178
75°	1015
80°	768
85°	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1595 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	3.6
10°-20°	94.7	10.2
20°-30°	142.5	15.3
30°-40°	169.5	18.2
40°-50°	170.8	18.4
50°-60°	148.2	15.9
60°-70°	106.7	11.5
70°-80°	54.8	5.9
80°-90°	9.5	1.0
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°	270.5	29.1
0°-40°	440.0	47.3
0°-60°	759.1	81.6
0°-90°	930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	351	
5°	350	33
15°	336	95
25°	310	143
35°	271	170
45°	222	171
55°	166	148
65°	108	107
75°	52	55
85°	5	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	351.2
2.5°	350.8
5°	349.7
7.5°	347.4
10°	344.3
12.5°	340.5
15°	335.8
17.5°	330.4
20°	324.2
22.5°	317.0
25°	309.5
27.5°	301.0
30°	291.9
32.5°	282.2
35°	271.4
37.5°	259.8
40°	247.4
42.5°	234.7
45°	221.5
47.5°	208.1
50°	194.2
52.5°	180.1
55°	165.9
57.5°	151.5
60°	136.9
62.5°	122.4
65°	107.8
67.5°	93.3
70°	79.1
72.5°	65.1
75°	51.6
77.5°	38.5
80°	26.2
82.5°	15.0
85°	5.1
87.5°	1.8
90°	0.1

(END OF REPORT)