

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO

Report Number: P272197

Luminaire Tested: **CLD7089SWH-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P272197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1808-928-1)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: CLD7089SWH-3000K  
Description: HALO CLD SELECTABLE CCT LED FIXTURE  
Light Source: (48) 90 CRI LEDS AT 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 805.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

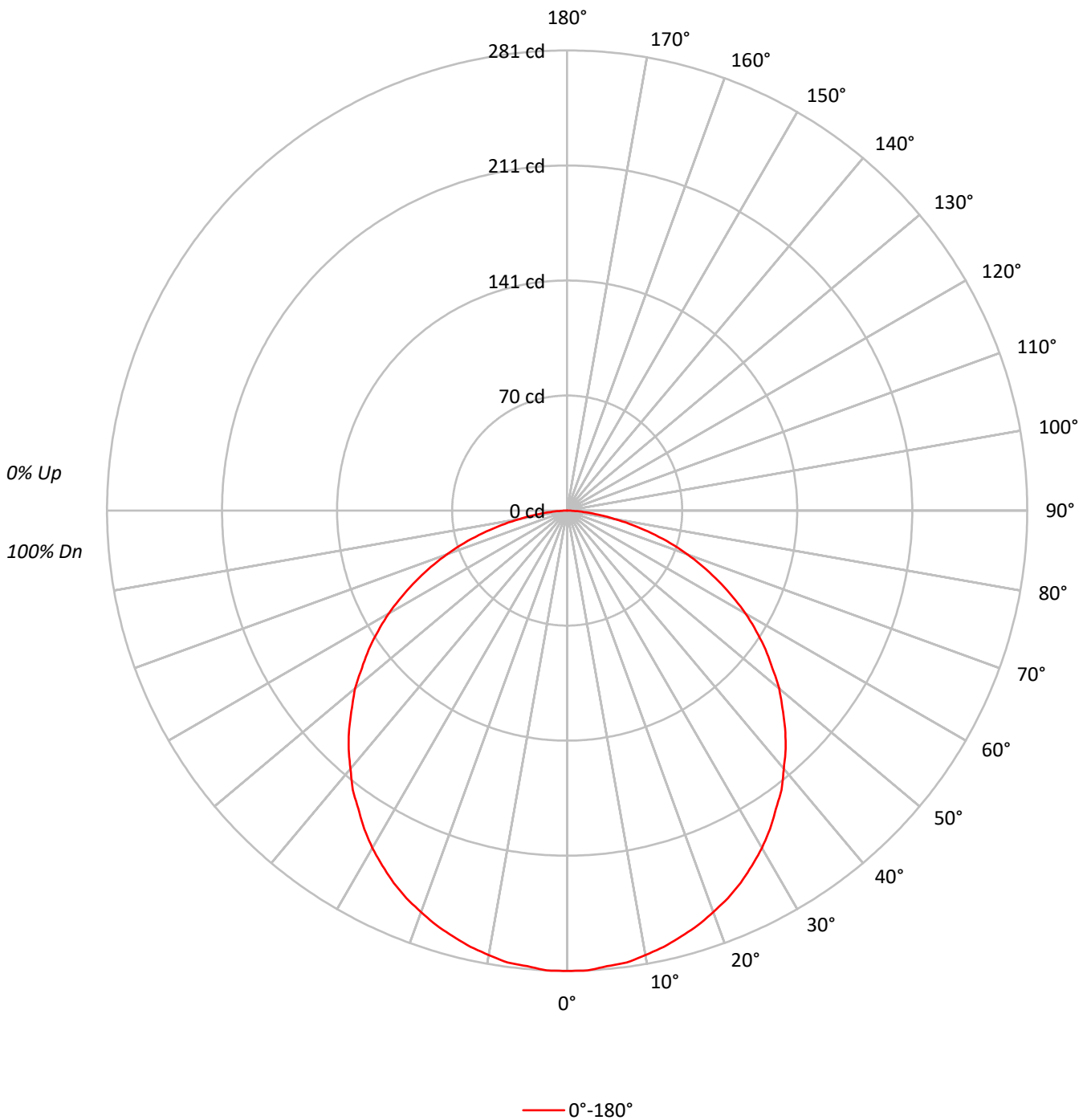
Input Watts (W): 11.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: CLD7089SWH-3000K

### 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	104	100	96	106	102	98	94	97	94	91	94	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	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	34	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°
0°	20127
5°	20075
10°	20038
15°	19955
20°	19880
25°	19814
30°	19669
35°	19431
40°	19236
45°	19067
50°	18825
55°	18463
60°	18029
65°	17281
70°	16350
75°	14745
80°	12123
85°	8298



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.6	3.3
10°-20°	76.0	9.4
20°-30°	115.5	14.3
30°-40°	139.3	17.3
40°-50°	145.1	18.0
50°-60°	132.0	16.4
60°-70°	100.9	12.5
70°-80°	56.5	7.0
80°-90°	13.0	1.6
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°	218.1	27.1
0°-40°	357.5	44.4
0°-60°	634.6	78.8
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	281	
5°	279	27
15°	269	76
25°	251	116
35°	222	139
45°	188	145
55°	148	132
65°	102	101
75°	53	57
85°	10	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	281.1
2.5°	281.1
5°	279.3
7.5°	278.4
10°	275.6
12.5°	272.8
15°	269.2
17.5°	265.5
20°	260.9
22.5°	256.3
25°	250.8
27.5°	244.4
30°	237.9
32.5°	230.6
35°	222.3
37.5°	215.0
40°	205.8
42.5°	197.5
45°	188.3
47.5°	178.2
50°	169.0
52.5°	158.0
55°	147.9
57.5°	136.9
60°	125.9
62.5°	113.9
65°	102.0
67.5°	90.0
70°	78.1
72.5°	66.1
75°	53.3
77.5°	41.3
80°	29.4
82.5°	19.3
85°	10.1
87.5°	3.7
90°	0.0

(END OF REPORT)