

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



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582403

Luminaire Tested: **HCC6W35D010BZ-HM63040940-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010BZ-HM63040940-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

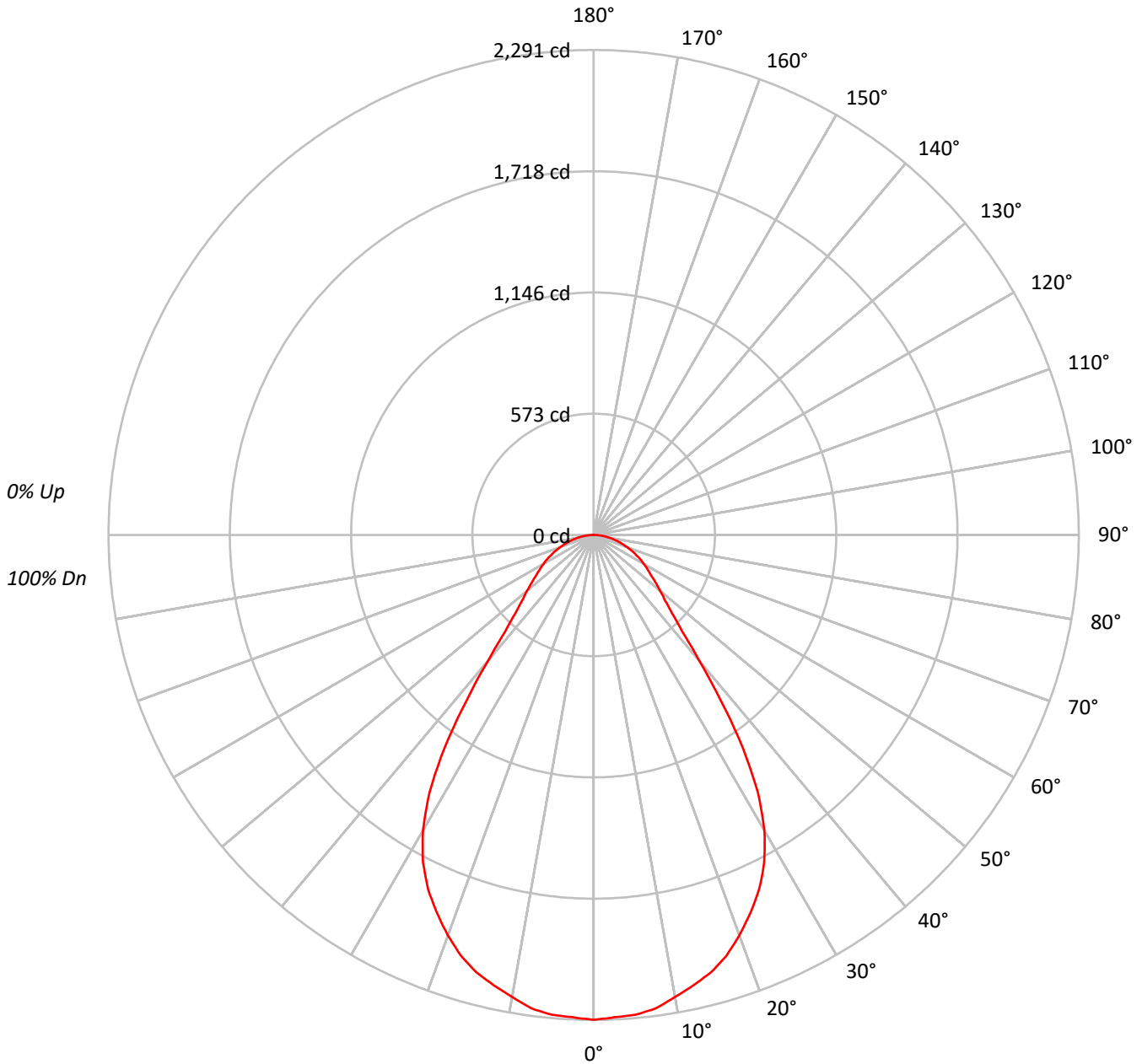
Lumens per Lamp: N/A  
Luminaire Lumens: 3513.3 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

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

	0°
0°	125571
5°	125236
10°	123361
15°	121408
20°	117418
25°	111835
30°	102111
35°	82215
40°	55411
45°	40407
50°	34924
55°	31540
60°	29932
65°	28317
70°	26655
75°	25248
80°	23519
85°	21889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.4	6.1
10°-20°	600.7	17.1
20°-30°	844.0	24.0
30°-40°	751.3	21.4
40°-50°	419.9	12.0
50°-60°	299.1	8.5
60°-70°	217.6	6.2
70°-80°	126.0	3.6
80°-90°	39.2	1.1
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°	1660.2	47.3
0°-40°	2411.5	68.6
0°-60°	3130.5	89.1
0°-90°	3513.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3513.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2291	
5°	2276	215
15°	2139	601
25°	1849	844
35°	1228	751
45°	521	420
55°	330	299
65°	218	218
75°	119	126
85°	35	39
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2290.6
2.5°	2280.7
5°	2275.8
7.5°	2255.9
10°	2216.1
12.5°	2178.9
15°	2139.2
17.5°	2084.6
20°	2012.7
22.5°	1933.3
25°	1848.9
27.5°	1744.7
30°	1613.1
32.5°	1444.4
35°	1228.5
37.5°	985.2
40°	774.3
42.5°	617.9
45°	521.2
47.5°	456.6
50°	409.5
52.5°	367.3
55°	330.0
57.5°	300.3
60°	273.0
62.5°	248.2
65°	218.3
67.5°	193.6
70°	166.3
72.5°	141.4
75°	119.2
77.5°	96.7
80°	74.5
82.5°	54.6
85°	34.8
87.5°	17.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)