

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: P582156

Luminaire Tested: **HCC6S30D010BZ-HM63040830-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S30D010BZ-HM63040830-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

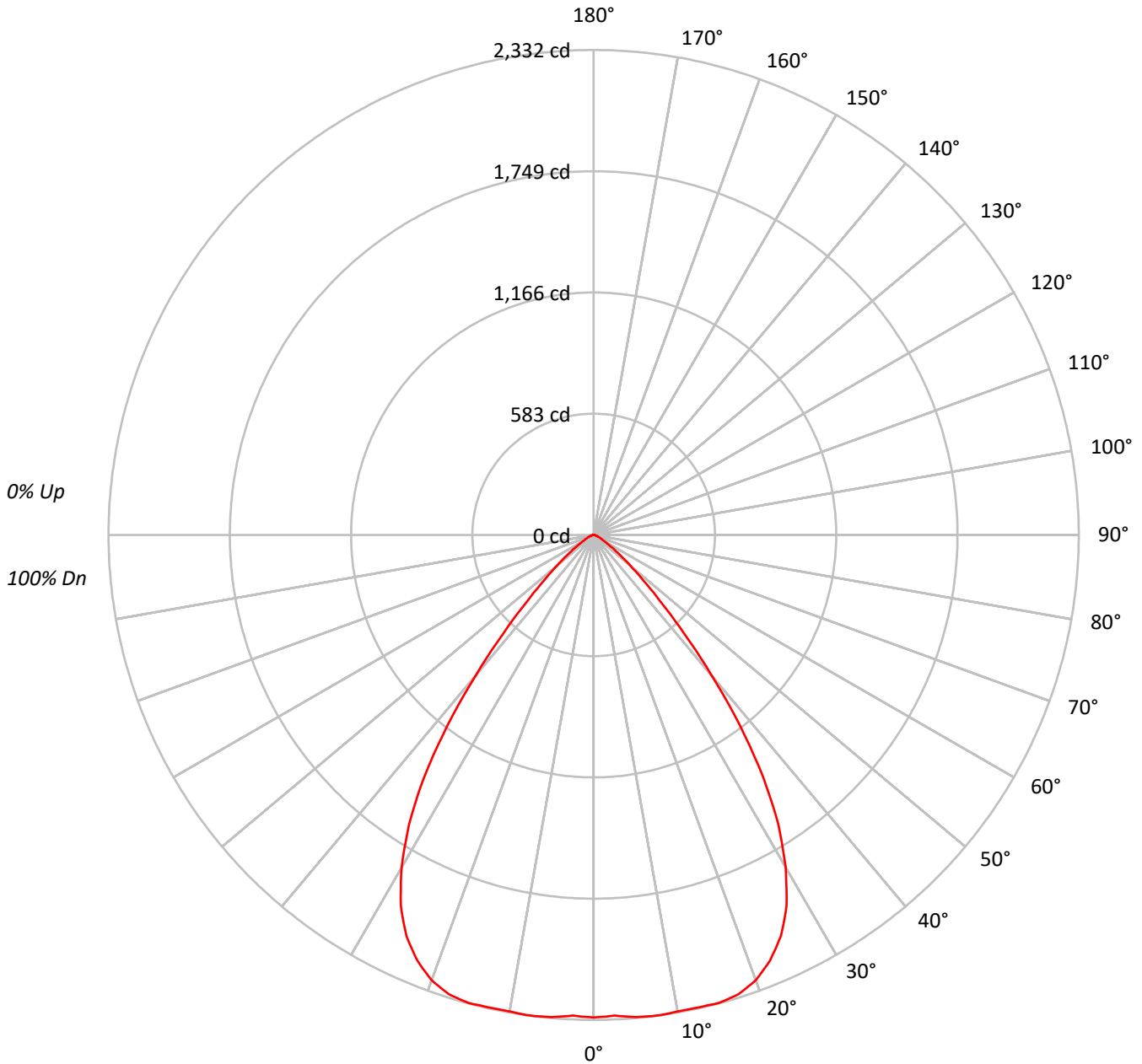
Lumens per Lamp: N/A  
Luminaire Lumens: 3248.2 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50		
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43		

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

	0°
0°	127216
5°	128059
10°	129540
15°	132203
20°	132942
25°	128802
30°	116847
35°	94997
40°	63061
45°	35097
50°	19684
55°	10924
60°	6019
65°	4566
70°	3158
75°	2309
80°	1389
85°	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.1	6.8
10°-20°	656.8	20.2
20°-30°	968.0	29.8
30°-40°	865.8	26.7
40°-50°	375.6	11.6
50°-60°	110.4	3.4
60°-70°	35.2	1.1
70°-80°	12.4	0.4
80°-90°	1.7	0.1
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°	1847.0	56.9
0°-40°	2712.8	83.5
0°-60°	3198.8	98.5
0°-90°	3248.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3248.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2321	
5°	2327	222
15°	2329	657
25°	2129	968
35°	1420	866
45°	453	376
55°	114	110
65°	35	35
75°	11	12
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2320.6
2.5°	2313.9
5°	2327.1
7.5°	2331.5
10°	2327.1
12.5°	2327.1
15°	2329.4
17.5°	2316.2
20°	2278.8
22.5°	2215.1
25°	2129.4
27.5°	2008.5
30°	1845.9
32.5°	1652.5
35°	1419.5
37.5°	1153.7
40°	881.2
42.5°	643.8
45°	452.7
47.5°	323.1
50°	230.8
52.5°	164.8
55°	114.3
57.5°	76.9
60°	54.9
62.5°	44.0
65°	35.2
67.5°	26.4
70°	19.7
72.5°	15.3
75°	10.9
77.5°	8.8
80°	4.4
82.5°	2.1
85°	2.1
87.5°	0.0
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)