

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: P581915

Luminaire Tested: **HCC6S20D010BZ-HM60525927-61NDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S20D010BZ-HM60525927-61NDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

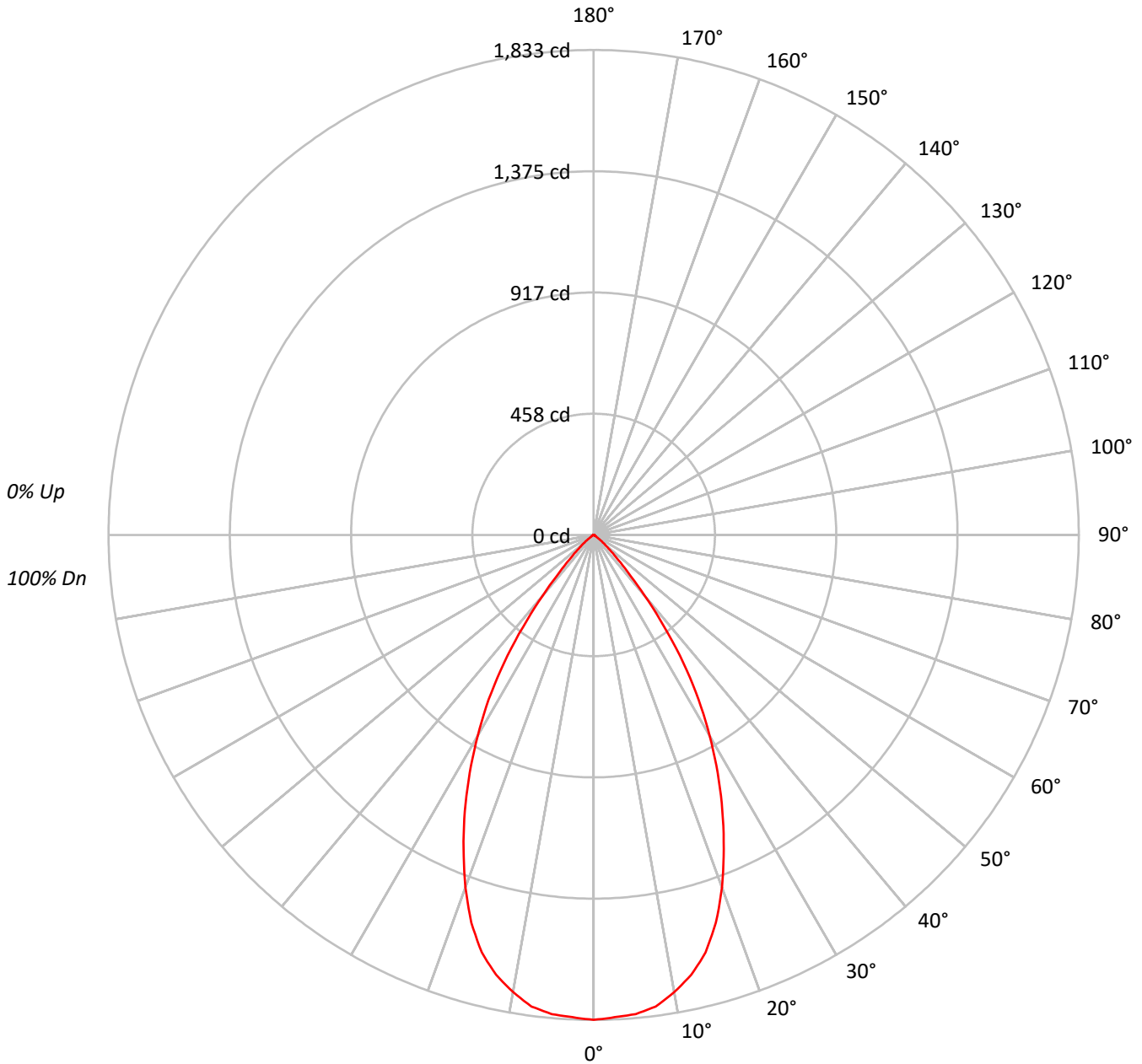
Lumens per Lamp: N/A  
Luminaire Lumens: 1641.4 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61		
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57		
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54		
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51		

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

	0°
0°	100480
5°	100049
10°	97682
15°	92730
20°	82648
25°	69621
30°	55471
35°	39572
40°	21283
45°	9117
50°	4145
55°	1520
60°	746
65°	584
70°	545
75°	233
80°	347
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.6	10.5
10°-20°	452.9	27.6
20°-30°	524.5	32.0
30°-40°	362.7	22.1
40°-50°	104.7	6.4
50°-60°	18.0	1.1
60°-70°	4.6	0.3
70°-80°	1.8	0.1
80°-90°	0.4	0.0
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°	1149.1	70.0
0°-40°	1511.8	92.1
0°-60°	1634.6	99.6
0°-90°	1641.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1641.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1833	
5°	1818	172
15°	1634	453
25°	1151	525
35°	591	363
45°	118	105
55°	16	18
65°	4	5
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1832.9
2.5°	1824.9
5°	1818.1
7.5°	1797.8
10°	1754.8
12.5°	1702.8
15°	1633.9
17.5°	1536.6
20°	1416.7
22.5°	1284.5
25°	1151.0
27.5°	1014.3
30°	876.3
32.5°	738.4
35°	591.3
37.5°	438.7
40°	297.4
42.5°	187.7
45°	117.6
47.5°	75.8
50°	48.6
52.5°	29.3
55°	15.9
57.5°	9.1
60°	6.8
62.5°	5.7
65°	4.5
67.5°	3.4
70°	3.4
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
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)