

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: P593142

Luminaire Tested: **HCC6W20D010BZ-HM60525950-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010BZ-HM60525950-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

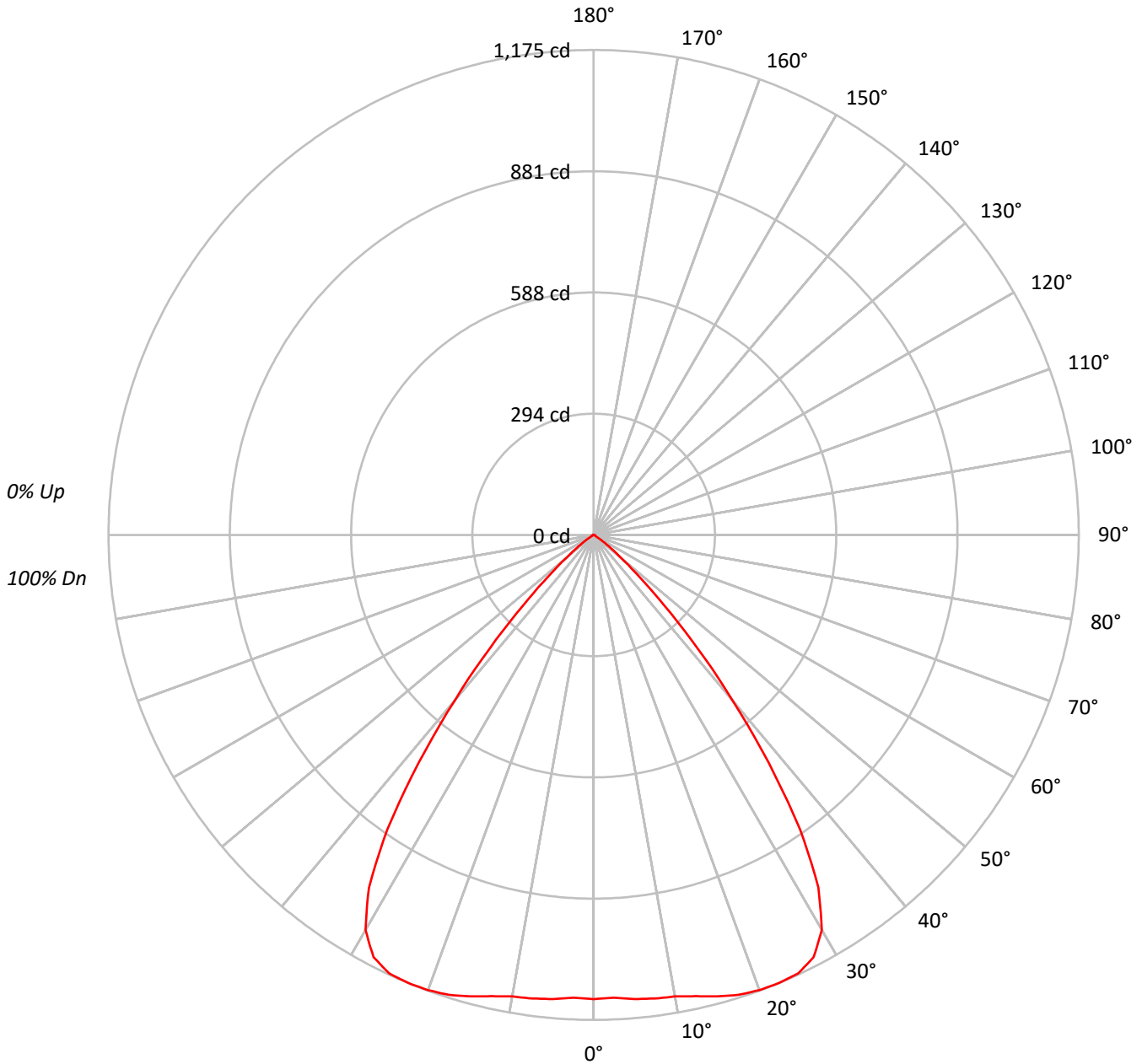
Lumens per Lamp: N/A  
Luminaire Lumens: 1736.4 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	0
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	104	102	100	100	98	97	97	95	94	92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	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	48	45	53	48	44	53	48	44	43

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

	0°
0°	61662
5°	62117
10°	63203
15°	65704
20°	68466
25°	70903
30°	69954
35°	58283
40°	37377
45°	18669
50°	7403
55°	2514
60°	724
65°	519
70°	417
75°	551
80°	442
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	6.2
10°-20°	328.4	18.9
20°-30°	536.2	30.9
30°-40°	525.6	30.3
40°-50°	201.5	11.6
50°-60°	29.6	1.7
60°-70°	4.4	0.3
70°-80°	2.3	0.1
80°-90°	0.6	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°	972.5	56.0
0°-40°	1498.1	86.3
0°-60°	1729.2	99.6
0°-90°	1736.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1736.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1125	
5°	1129	108
15°	1158	328
25°	1172	536
35°	871	526
45°	241	202
55°	26	30
65°	4	4
75°	3	2
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1124.8
2.5°	1122.2
5°	1128.8
7.5°	1132.8
10°	1135.4
12.5°	1144.6
15°	1157.7
17.5°	1168.2
20°	1173.6
22.5°	1174.8
25°	1172.2
27.5°	1153.8
30°	1105.1
32.5°	1013.0
35°	870.9
37.5°	696.0
40°	522.3
42.5°	372.3
45°	240.8
47.5°	147.4
50°	86.8
52.5°	50.0
55°	26.3
57.5°	11.9
60°	6.6
62.5°	5.2
65°	4.0
67.5°	4.0
70°	2.6
72.5°	2.6
75°	2.6
77.5°	1.4
80°	1.4
82.5°	1.4
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)