

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: P581862

Luminaire Tested: **HCC6W20D010BZ-HM60525830-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010BZ-HM60525830-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

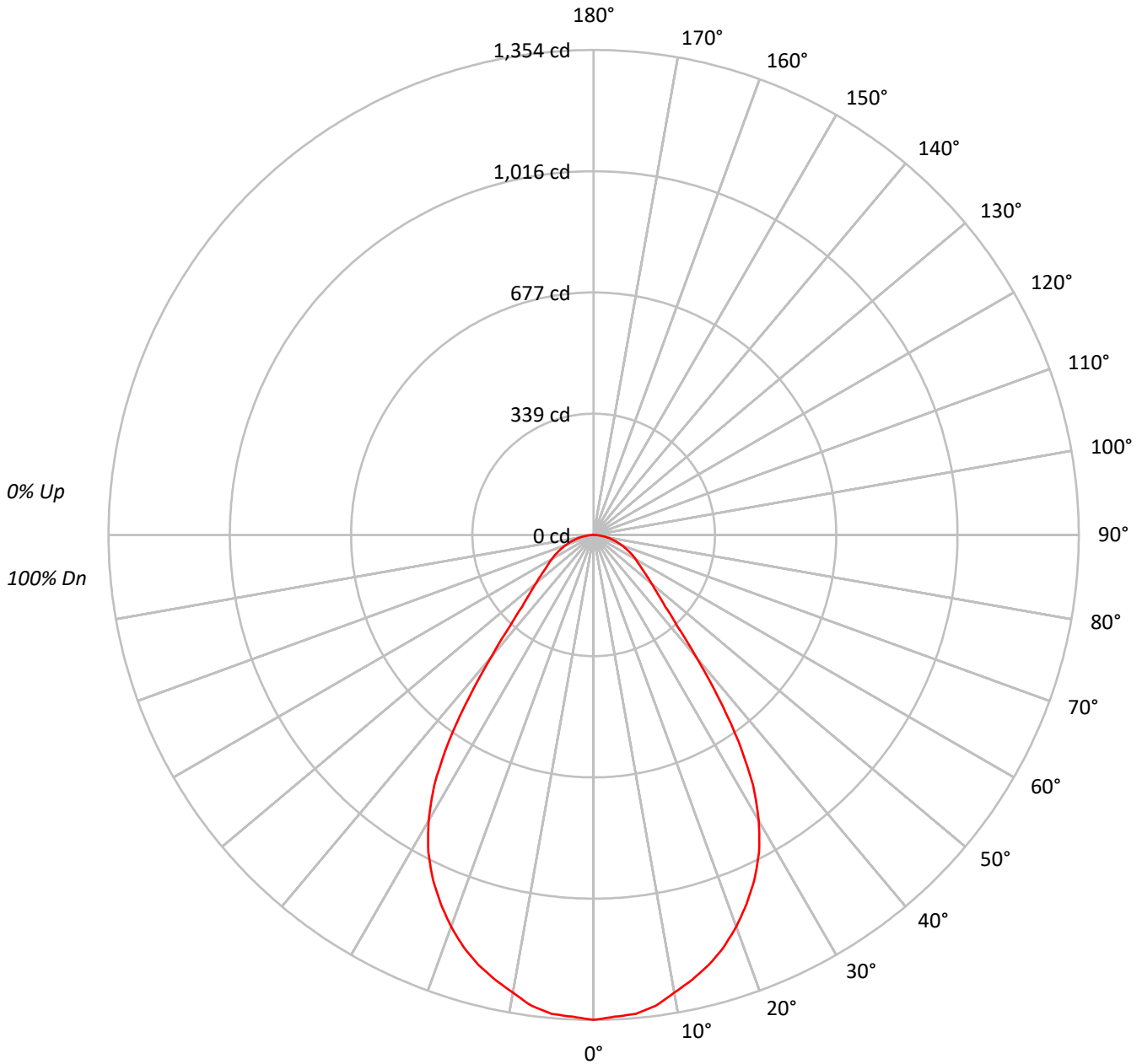
Lumens per Lamp: N/A  
Luminaire Lumens: 1959.3 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			

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

	0°
0°	74210
5°	73861
10°	72226
15°	70534
20°	67883
25°	64201
30°	58344
35°	47221
40°	31845
45°	21878
50°	17935
55°	15694
60°	14845
65°	14009
70°	13143
75°	12497
80°	11365
85°	10001



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	6.5
10°-20°	349.0	17.8
20°-30°	484.9	24.7
30°-40°	431.7	22.0
40°-50°	229.2	11.7
50°-60°	149.9	7.7
60°-70°	107.4	5.5
70°-80°	62.3	3.2
80°-90°	18.3	0.9
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°	960.6	49.0
0°-40°	1392.3	71.1
0°-60°	1771.4	90.4
0°-90°	1959.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1354	
5°	1342	127
15°	1243	349
25°	1061	485
35°	706	432
45°	282	229
55°	164	150
65°	108	107
75°	59	62
85°	16	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1353.7
2.5°	1346.5
5°	1342.2
7.5°	1326.3
10°	1297.5
12.5°	1271.6
15°	1242.8
17.5°	1206.8
20°	1163.6
22.5°	1114.6
25°	1061.4
27.5°	999.4
30°	921.7
32.5°	828.0
35°	705.6
37.5°	570.2
40°	445.0
42.5°	345.6
45°	282.2
47.5°	240.5
50°	210.3
52.5°	185.8
55°	164.2
57.5°	148.3
60°	135.4
62.5°	122.4
65°	108.0
67.5°	95.1
70°	82.0
72.5°	70.6
75°	59.0
77.5°	47.5
80°	36.0
82.5°	25.9
85°	15.9
87.5°	7.3
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)