

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: P593199

Luminaire Tested: **HCC6W30D010BZ-HM63040850-61NDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593199  
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: HCC6W30D010BZ-HM63040850-61NDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

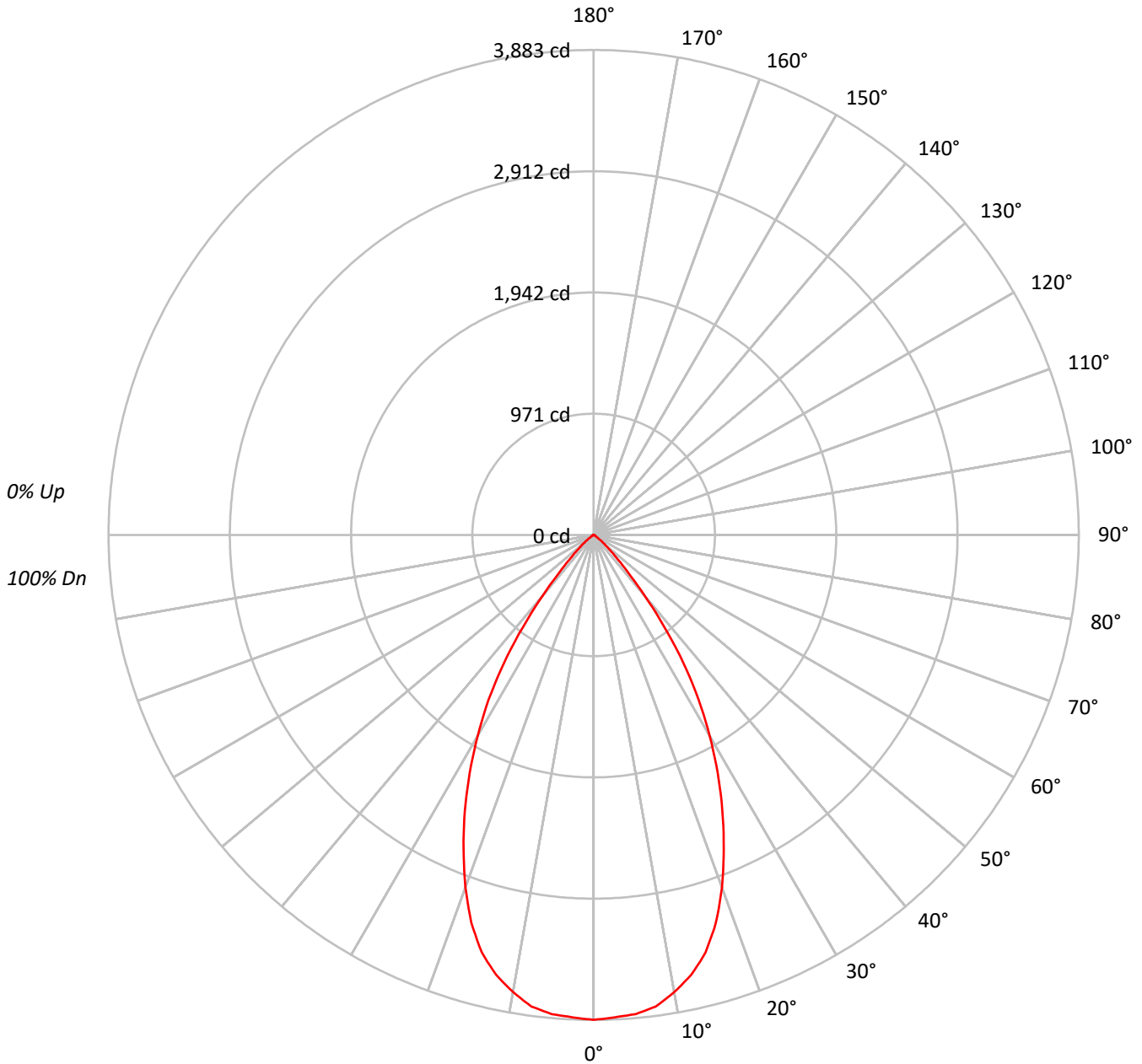
Lumens per Lamp: N/A  
Luminaire Lumens: 3477.1 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): 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	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°	212856
5°	211952
10°	206938
15°	196437
20°	175091
25°	147492
30°	117512
35°	83835
40°	45077
45°	19312
50°	8784
55°	3202
60°	1579
65°	1245
70°	1138
75°	508
80°	758
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.6	10.5
10°-20°	959.4	27.6
20°-30°	1111.2	32.0
30°-40°	768.3	22.1
40°-50°	221.9	6.4
50°-60°	38.2	1.1
60°-70°	9.7	0.3
70°-80°	3.8	0.1
80°-90°	1.0	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°	2434.2	70.0
0°-40°	3202.5	92.1
0°-60°	3462.6	99.6
0°-90°	3477.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3477.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3883	
5°	3852	364
15°	3461	959
25°	2438	1111
35°	1253	768
45°	249	222
55°	34	38
65°	10	10
75°	2	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3882.8
2.5°	3866.0
5°	3851.6
7.5°	3808.5
10°	3717.5
12.5°	3607.3
15°	3461.2
17.5°	3255.2
20°	3001.3
22.5°	2721.0
25°	2438.4
27.5°	2148.5
30°	1856.4
32.5°	1564.1
35°	1252.7
37.5°	929.3
40°	629.9
42.5°	397.6
45°	249.1
47.5°	160.5
50°	103.0
52.5°	62.3
55°	33.5
57.5°	19.1
60°	14.4
62.5°	12.0
65°	9.6
67.5°	7.1
70°	7.1
72.5°	4.8
75°	2.4
77.5°	2.4
80°	2.4
82.5°	2.4
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)