

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: P582876

Luminaire Tested: **HCC6S05D010SL-HM60525830-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582876  
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: HCC6S05D010SL-HM60525830-61WDH  
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**

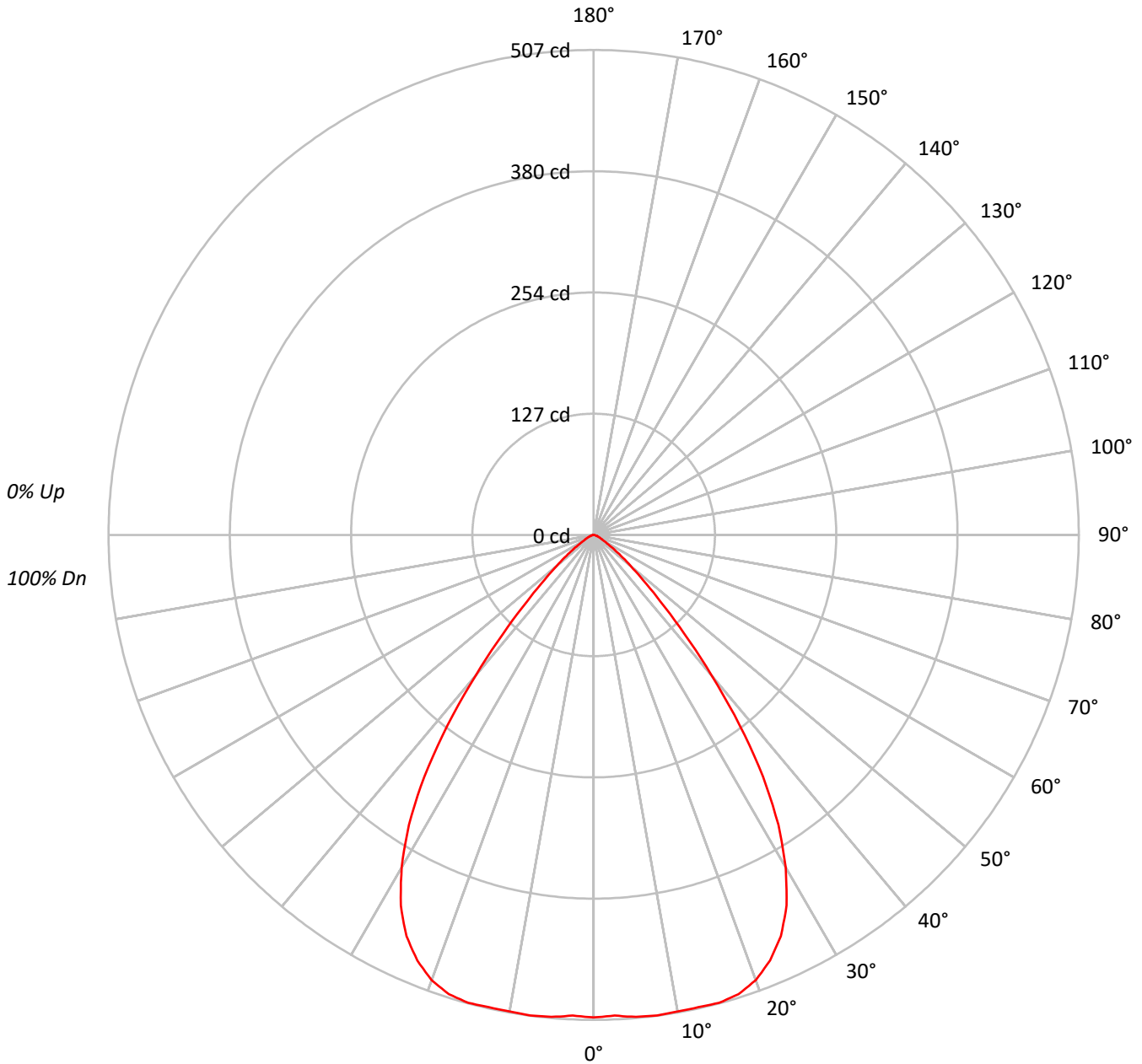
Lumens per Lamp: N/A  
Luminaire Lumens: 706.1 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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									
RC	80									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	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	72	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°	27651
5°	27834
10°	28156
15°	28740
20°	28895
25°	27994
30°	25403
35°	20652
40°	13704
45°	7629
50°	4281
55°	2380
60°	1316
65°	999
70°	689
75°	508
80°	284
85°	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	6.8
10°-20°	142.8	20.2
20°-30°	210.4	29.8
30°-40°	188.2	26.7
40°-50°	81.7	11.6
50°-60°	24.0	3.4
60°-70°	7.7	1.1
70°-80°	2.7	0.4
80°-90°	0.4	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°	401.5	56.9
0°-40°	589.7	83.5
0°-60°	695.3	98.5
0°-90°	706.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	504	
5°	506	48
15°	506	143
25°	463	210
35°	309	188
45°	98	82
55°	25	24
65°	8	8
75°	2	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	504.4
2.5°	503.0
5°	505.8
7.5°	506.8
10°	505.8
12.5°	505.8
15°	506.4
17.5°	503.4
20°	495.3
22.5°	481.5
25°	462.8
27.5°	436.6
30°	401.3
32.5°	359.2
35°	308.6
37.5°	250.7
40°	191.5
42.5°	140.0
45°	98.4
47.5°	70.2
50°	50.2
52.5°	35.8
55°	24.9
57.5°	16.7
60°	12.0
62.5°	9.6
65°	7.7
67.5°	5.8
70°	4.3
72.5°	3.4
75°	2.4
77.5°	1.9
80°	0.9
82.5°	0.5
85°	0.5
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)