

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: P581922

Luminaire Tested: **HCC6W20D010SL-HM60525927-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581922  
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: HCC6W20D010SL-HM60525927-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

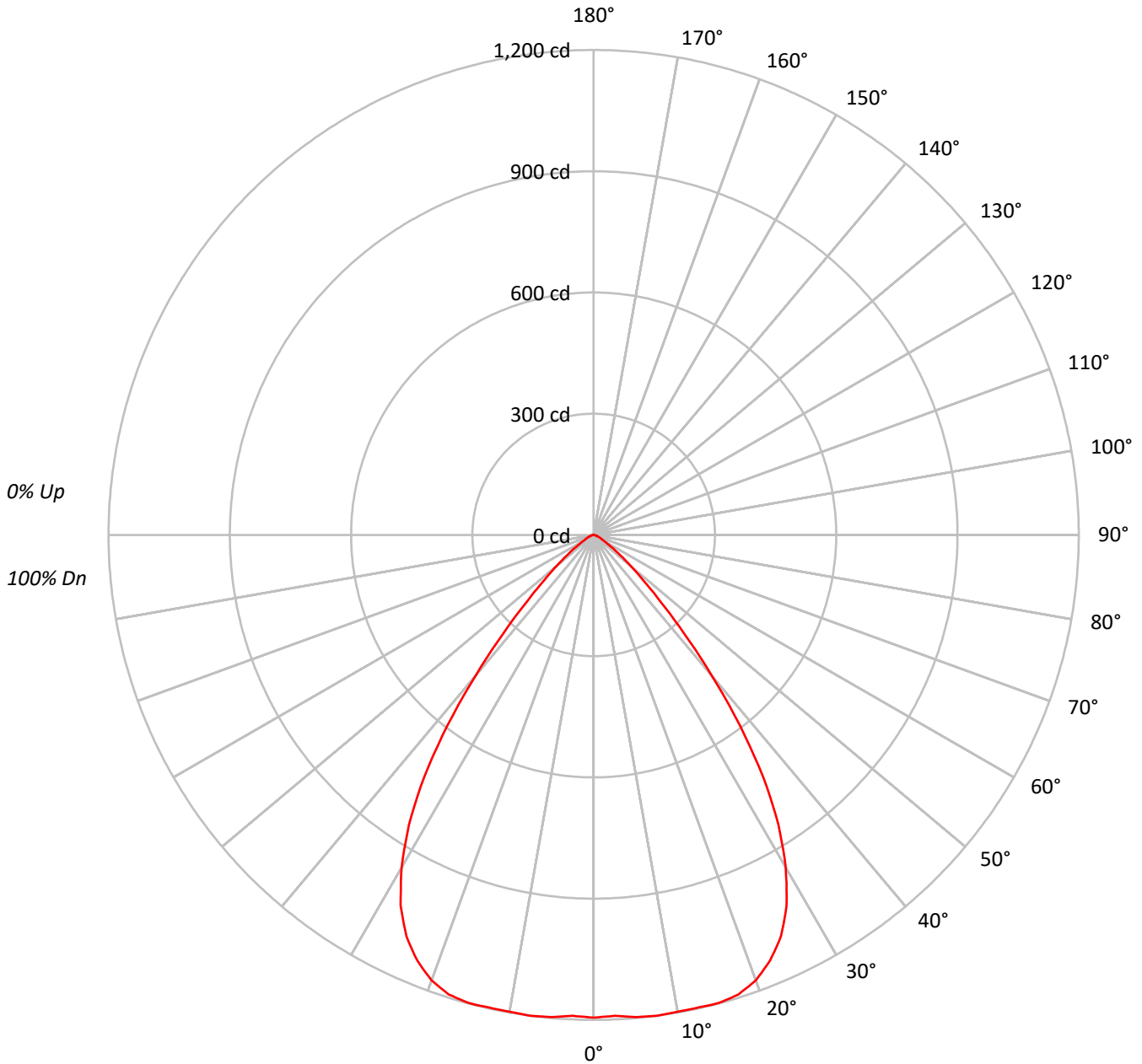
Lumens per Lamp: N/A  
Luminaire Lumens: 1671.8 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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									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	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°	65477
5°	65914
10°	66677
15°	68042
20°	68425
25°	66294
30°	60142
35°	48901
40°	32454
45°	18056
50°	10123
55°	5620
60°	3103
65°	2348
70°	1635
75°	1207
80°	726
85°	692



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	6.8
10°-20°	338.0	20.2
20°-30°	498.2	29.8
30°-40°	445.6	26.7
40°-50°	193.3	11.6
50°-60°	56.8	3.4
60°-70°	18.2	1.1
70°-80°	6.4	0.4
80°-90°	0.9	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°	950.6	56.9
0°-40°	1396.3	83.5
0°-60°	1646.4	98.5
0°-90°	1671.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1194	
5°	1198	114
15°	1199	338
25°	1096	498
35°	731	446
45°	233	193
55°	59	57
65°	18	18
75°	6	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1194.4
2.5°	1191.0
5°	1197.8
7.5°	1200.1
10°	1197.8
12.5°	1197.8
15°	1198.9
17.5°	1192.1
20°	1172.9
22.5°	1140.1
25°	1096.0
27.5°	1033.7
30°	950.1
32.5°	850.5
35°	730.7
37.5°	593.8
40°	453.5
42.5°	331.4
45°	232.9
47.5°	166.2
50°	118.7
52.5°	84.9
55°	58.8
57.5°	39.5
60°	28.3
62.5°	22.7
65°	18.1
67.5°	13.6
70°	10.2
72.5°	7.9
75°	5.7
77.5°	4.5
80°	2.3
82.5°	1.1
85°	1.1
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)