

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: P581906

Luminaire Tested: **HCC6W20D010BZ-HM60525840-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010BZ-HM60525840-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

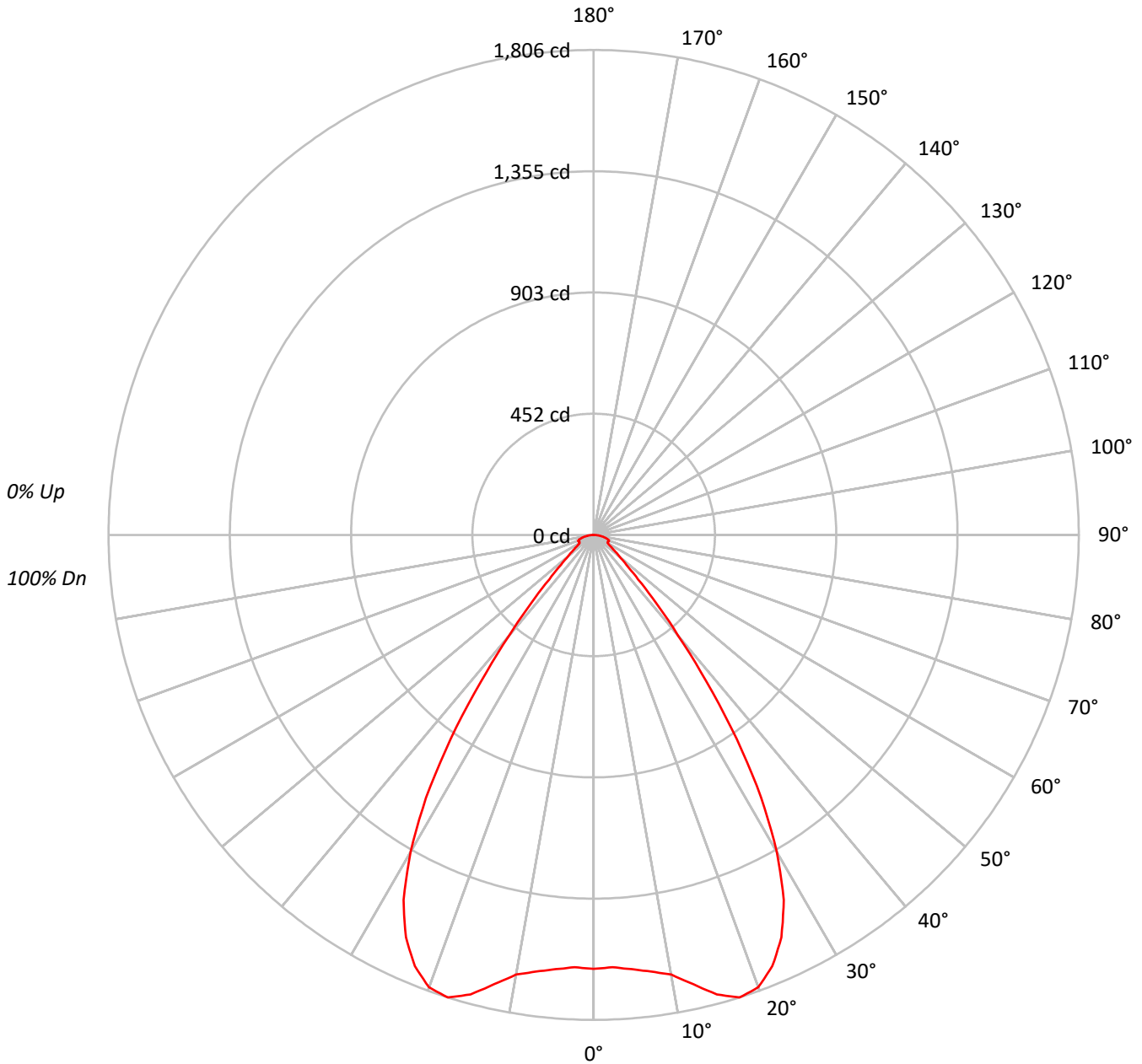
Lumens per Lamp: N/A  
Luminaire Lumens: 2374.9 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P581906  
CATALOG NUMBER: HCC6W20D010BZ-HM60525840-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P581906

CATALOG NUMBER: HCC6W20D010BZ-HM60525840-61WDWB

**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			100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

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

	0°
0°	88578
5°	89335
10°	92550
15°	100528
20°	104566
25°	100016
30°	86317
35°	62151
40°	35008
45°	18149
50°	10823
55°	7799
60°	6622
65°	7640
70°	9681
75°	10230
80°	10008
85°	9498



TEST NUMBER: P581906  
 CATALOG NUMBER: HCC6W20D010BZ-HM60525840-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.2	6.6
10°-20°	499.6	21.0
20°-30°	746.7	31.4
30°-40°	570.8	24.0
40°-50°	199.4	8.4
50°-60°	76.0	3.2
60°-70°	59.6	2.5
70°-80°	50.4	2.1
80°-90°	16.2	0.7
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°	1402.5	59.1
0°-40°	1973.3	83.1
0°-60°	2248.7	94.7
0°-90°	2374.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1616	
5°	1623	156
15°	1771	500
25°	1654	747
35°	929	571
45°	234	199
55°	82	76
65°	59	60
75°	48	50
85°	15	16
90°	0	



TEST NUMBER: P581906  
CATALOG NUMBER: HCC6W20D010BZ-HM60525840-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1615.8
2.5°	1611.2
5°	1623.4
7.5°	1639.9
10°	1662.6
12.5°	1713.9
15°	1771.3
17.5°	1806.0
20°	1792.4
22.5°	1738.1
25°	1653.5
27.5°	1532.7
30°	1363.6
32.5°	1161.2
35°	928.7
37.5°	688.6
40°	489.2
42.5°	342.7
45°	234.1
47.5°	164.6
50°	126.9
52.5°	99.7
55°	81.6
57.5°	66.4
60°	60.4
62.5°	58.9
65°	58.9
67.5°	61.9
70°	60.4
72.5°	55.9
75°	48.3
77.5°	40.8
80°	31.7
82.5°	22.7
85°	15.1
87.5°	6.0
90°	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)