

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: P582514

Luminaire Tested: **HCC6W40D010SL-HM63040930-61WDBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W40D010SL-HM63040930-61WDBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

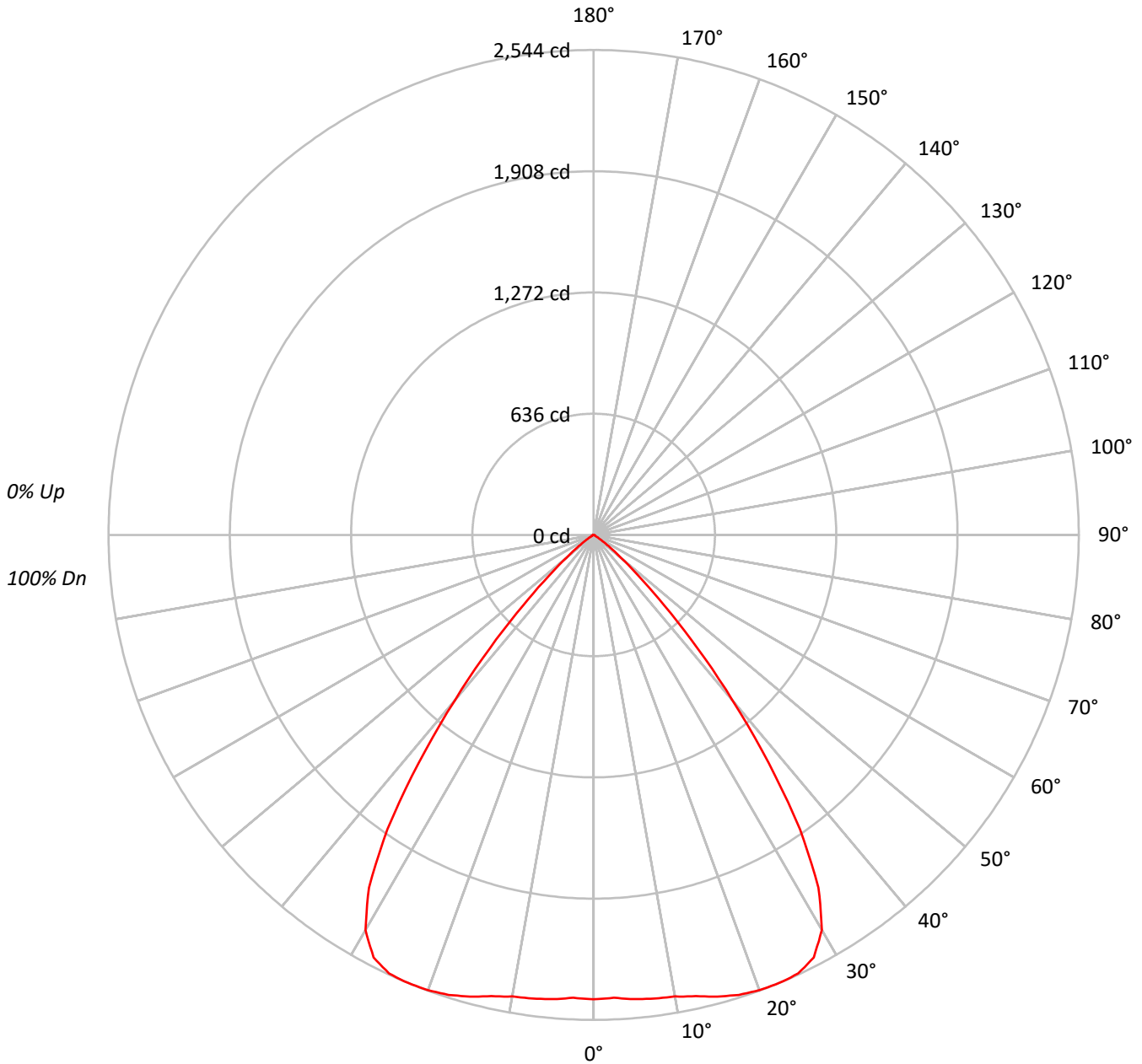
Lumens per Lamp: N/A  
Luminaire Lumens: 3760.2 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41  
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



TEST NUMBER: P582514  
CATALOG NUMBER: HCC6W40D010SL-HM63040930-61WDBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582514  
 CATALOG NUMBER: HCC6W40D010SL-HM63040930-61WDBB

**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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85				
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71				
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54				
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	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	48	45	53	48	44	53	48	44	43				

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

	0°
0°	133536
5°	134520
10°	136866
15°	142294
20°	148255
25°	153547
30°	151492
35°	126217
40°	80937
45°	40423
50°	16042
55°	5448
60°	1557
65°	1116
70°	914
75°	1207
80°	916
85°	0



TEST NUMBER: P582514  
 CATALOG NUMBER: HCC6W40D010SL-HM63040930-61WDBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	6.2
10°-20°	711.1	18.9
20°-30°	1161.1	30.9
30°-40°	1138.2	30.3
40°-50°	436.4	11.6
50°-60°	64.0	1.7
60°-70°	9.5	0.3
70°-80°	4.9	0.1
80°-90°	1.2	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°	2105.9	56.0
0°-40°	3244.1	86.3
0°-60°	3744.6	99.6
0°-90°	3760.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2436	
5°	2444	234
15°	2507	711
25°	2538	1161
35°	1886	1138
45°	521	436
55°	57	64
65°	9	9
75°	6	5
85°	0	1
90°	0	



TEST NUMBER: P582514  
CATALOG NUMBER: HCC6W40D010SL-HM63040930-61WDBB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2435.9
2.5°	2430.3
5°	2444.5
7.5°	2453.1
10°	2458.7
12.5°	2478.7
15°	2507.2
17.5°	2530.0
20°	2541.3
22.5°	2544.2
25°	2538.5
27.5°	2498.6
30°	2393.2
32.5°	2193.8
35°	1886.0
37.5°	1507.2
40°	1131.0
42.5°	806.3
45°	521.4
47.5°	319.1
50°	188.1
52.5°	108.3
55°	57.0
57.5°	25.6
60°	14.2
62.5°	11.3
65°	8.6
67.5°	8.6
70°	5.7
72.5°	5.7
75°	5.7
77.5°	2.9
80°	2.9
82.5°	2.9
85°	0.0
87.5°	0.0
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)