

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: P582493

Luminaire Tested: **HCC6S40D010SL-HM63040927-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582493  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S40D010SL-HM63040927-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

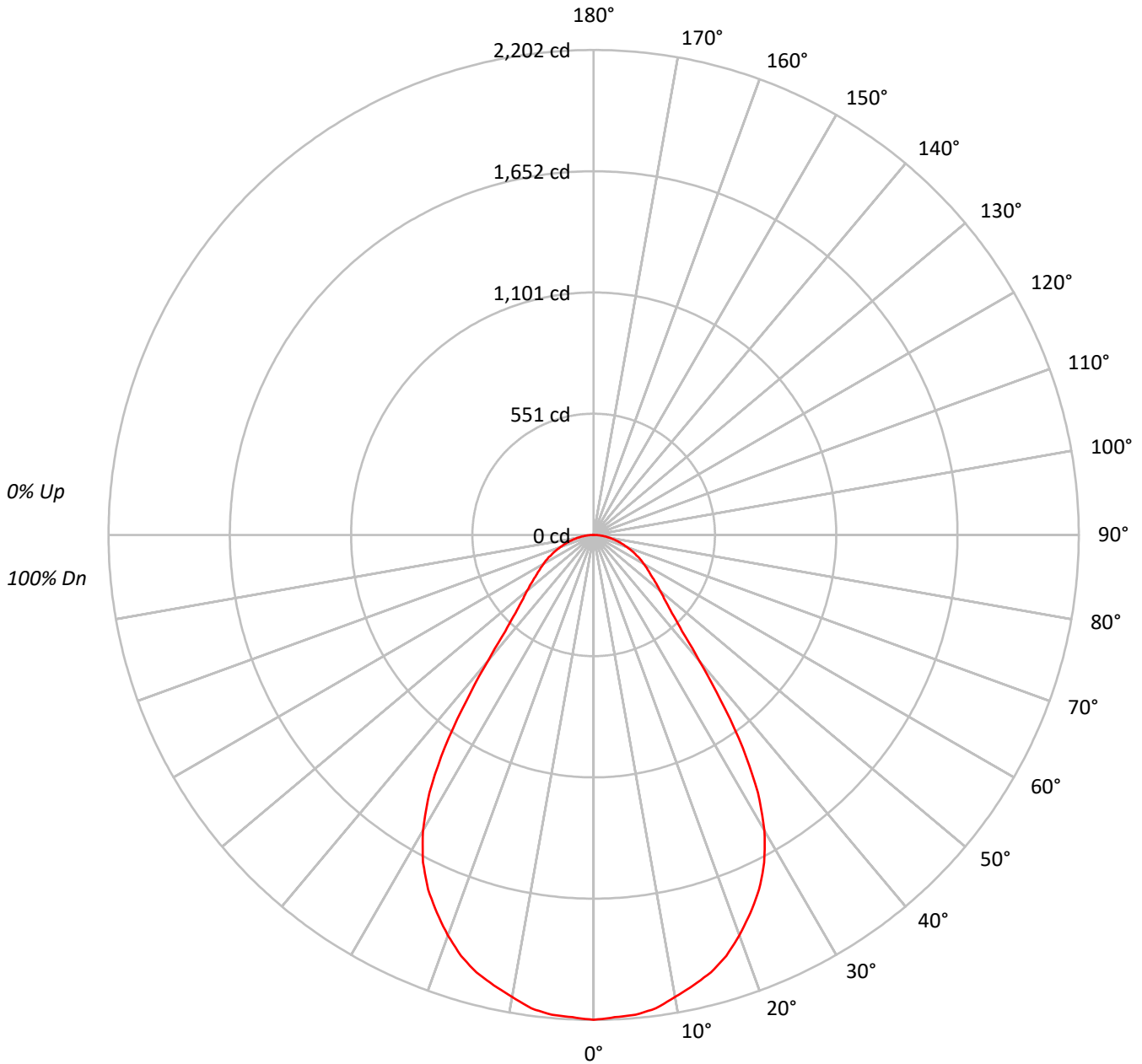
Lumens per Lamp: N/A  
Luminaire Lumens: 3377.0 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41  
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: P582493  
CATALOG NUMBER: HCC6S40D010SL-HM63040927-61PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582493  
 CATALOG NUMBER: HCC6S40D010SL-HM63040927-61PSMDW

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90		88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80		78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71		69
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64		62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58		56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53		51
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48		46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44		43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41		39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38		36

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

	0°
0°	120698
5°	120372
10°	118579
15°	116698
20°	112861
25°	107492
30°	98148
35°	79023
40°	53264
45°	38841
50°	33568
55°	30317
60°	28759
65°	27227
70°	25629
75°	24252
80°	22604
85°	21008



TEST NUMBER: P582493  
 CATALOG NUMBER: HCC6S40D010SL-HM63040927-61PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.0	6.1
10°-20°	577.4	17.1
20°-30°	811.3	24.0
30°-40°	722.1	21.4
40°-50°	403.6	12.0
50°-60°	287.5	8.5
60°-70°	209.2	6.2
70°-80°	121.1	3.6
80°-90°	37.7	1.1
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°	1595.7	47.3
0°-40°	2317.9	68.6
0°-60°	3009.0	89.1
0°-90°	3377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3377.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2202	
5°	2187	207
15°	2056	577
25°	1777	811
35°	1181	722
45°	501	404
55°	317	288
65°	210	209
75°	114	121
85°	33	38
90°	0	



TEST NUMBER: P582493  
CATALOG NUMBER: HCC6S40D010SL-HM63040927-61PSMDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2201.7
2.5°	2192.2
5°	2187.4
7.5°	2168.3
10°	2130.2
12.5°	2094.4
15°	2056.2
17.5°	2003.7
20°	1934.6
22.5°	1858.2
25°	1777.1
27.5°	1677.0
30°	1550.5
32.5°	1388.2
35°	1180.8
37.5°	947.0
40°	744.3
42.5°	593.9
45°	501.0
47.5°	439.0
50°	393.6
52.5°	353.1
55°	317.2
57.5°	288.6
60°	262.3
62.5°	238.6
65°	209.9
67.5°	186.1
70°	159.9
72.5°	136.0
75°	114.5
77.5°	93.0
80°	71.6
82.5°	52.5
85°	33.4
87.5°	16.8
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)