

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: P581638

Luminaire Tested: **HCC6S10D010MB-HM60525927-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MB-HM60525927-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

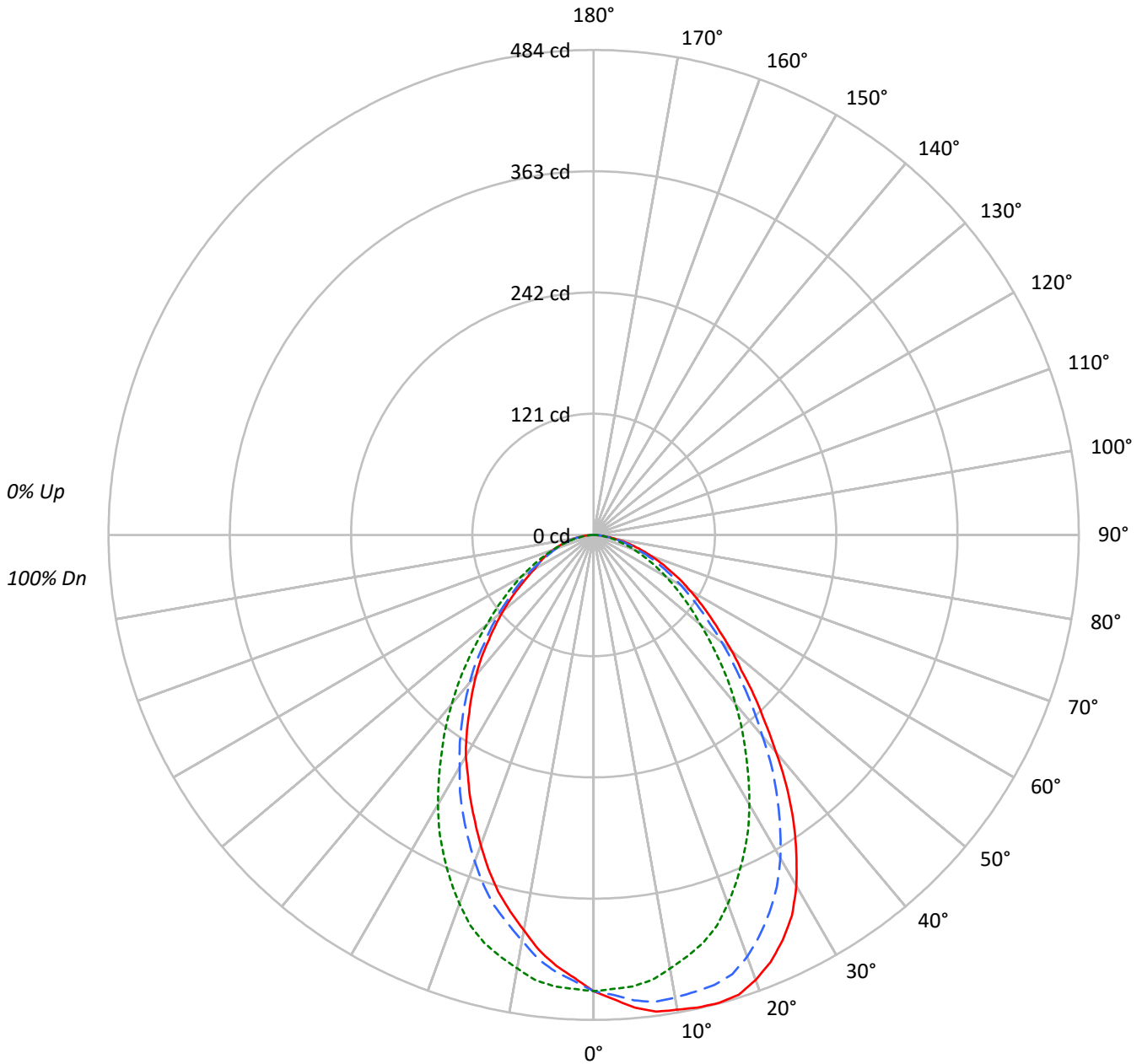
Lumens per Lamp: N/A  
Luminaire Lumens: 848.2 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581638  
CATALOG NUMBER: HCC6S10D010MB-HM60525927-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581638

CATALOG NUMBER: HCC6S10D010MB-HM60525927-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	24960	24960	24960
5°	26068	24884	23740
10°	26781	24454	22305
15°	27441	23927	20897
20°	27565	22845	19199
25°	26983	21388	17602
30°	25605	19668	16135
35°	23249	17674	14475
40°	20259	15737	13024
45°	17537	13777	11451
50°	15309	11863	10030
55°	13534	10427	8611
60°	12159	9133	7456
65°	10896	7939	7238
70°	9729	6780	6780
75°	8430	5698	6354
80°	6756	4830	5777
85°	4655	4277	4969



TEST NUMBER: P581638  
 CATALOG NUMBER: HCC6S10D010MB-HM60525927-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.8	5.0
10°-20°	119.0	14.0
20°-30°	165.8	19.5
30°-40°	170.8	20.1
40°-50°	141.6	16.7
50°-60°	101.7	12.0
60°-70°	64.8	7.6
70°-80°	33.3	3.9
80°-90°	8.5	1.0
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°	327.5	38.6
0°-40°	498.3	58.8
0°-60°	741.6	87.4
0°-90°	848.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	848.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	455	455	455	455	455	
5°	474	466	452	438	431	45
15°	484	465	422	383	368	136
25°	446	415	354	308	291	204
35°	347	319	264	229	216	216
45°	226	210	178	155	148	175
55°	142	130	109	97	90	128
65°	84	75	61	53	56	84
75°	40	34	27	28	30	42
85°	7	7	7	7	8	9
90°	0	0	0	0	0	

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



TEST NUMBER: P581638

CATALOG NUMBER: HCC6S10D010MB-HM60525927-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	463.9	462.1	459.6	457.1	453.5	449.2	445.6	444.3	442.5
5°	473.7	471.3	466.4	460.3	452.2	444.3	437.5	433.2	431.4
7.5°	479.9	476.8	470.0	459.6	447.9	436.3	426.5	420.4	417.9
10°	481.1	478.0	468.8	454.7	439.3	423.5	411.1	403.8	400.7
12.5°	482.9	478.6	466.9	450.4	430.8	412.4	397.1	387.9	384.9
15°	483.5	478.6	465.1	444.9	421.6	399.6	383.0	372.0	368.2
17.5°	481.1	475.6	459.6	435.1	408.8	385.4	365.9	354.2	349.3
20°	472.5	466.4	447.9	420.4	391.6	367.1	346.8	334.6	329.1
22.5°	461.4	453.5	432.7	403.2	373.2	347.4	327.3	315.0	309.5
25°	446.1	438.8	415.4	384.2	353.6	326.6	308.2	295.3	291.0
27.5°	428.3	419.7	395.9	364.6	333.4	306.4	288.7	277.0	271.5
30°	404.5	396.5	372.5	341.3	310.7	285.6	267.2	257.4	254.9
32.5°	376.3	369.5	346.3	316.8	287.4	264.1	248.8	238.4	235.9
35°	347.4	339.5	319.2	291.7	264.1	243.3	229.2	219.9	216.3
37.5°	316.2	308.8	291.7	267.2	242.7	223.1	210.8	202.9	199.1
40°	283.1	277.6	261.7	242.0	219.9	202.9	192.4	185.6	182.0
42.5°	252.4	247.0	235.9	217.6	199.1	183.8	174.7	168.6	165.5
45°	226.2	221.2	210.2	194.3	177.7	164.8	155.1	150.8	147.7
47.5°	199.8	197.3	187.6	172.9	157.5	146.5	139.7	134.8	132.3
50°	179.5	176.5	167.3	152.0	139.1	130.5	124.4	120.1	117.6
52.5°	158.7	155.6	147.0	134.3	123.8	115.8	109.7	106.1	103.6
55°	141.6	139.1	130.0	118.3	109.1	102.3	96.8	92.5	90.1
57.5°	125.7	123.2	114.6	103.6	95.7	89.4	84.6	80.9	77.9
60°	110.9	109.1	100.5	90.1	83.3	77.2	72.9	69.8	68.0
62.5°	98.0	94.4	87.1	77.9	71.7	66.8	62.5	60.7	61.9
65°	84.0	82.1	74.7	66.8	61.2	56.4	53.3	54.6	55.8
67.5°	72.3	69.8	63.7	56.4	51.5	47.8	46.0	48.4	49.0
70°	60.7	58.2	52.8	46.5	42.3	39.8	39.8	41.7	42.3
72.5°	49.6	47.8	42.9	38.0	35.0	33.1	34.3	35.5	36.1
75°	39.8	38.0	34.3	30.0	26.9	26.9	28.2	29.4	30.0
77.5°	30.7	29.4	25.7	22.6	21.4	21.4	22.6	23.3	23.9
80°	21.4	20.3	18.3	16.5	15.3	16.5	17.8	17.8	18.3
82.5°	14.2	13.5	12.2	11.0	11.0	11.7	12.2	12.9	12.9
85°	7.4	7.4	6.8	6.1	6.8	7.4	7.4	7.9	7.9
87.5°	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°    - - 45°-225°    - - - - 90°-270°

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)