

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: P581819

Luminaire Tested: **HCC6S15D010MB-HM60525935-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S15D010MB-HM60525935-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

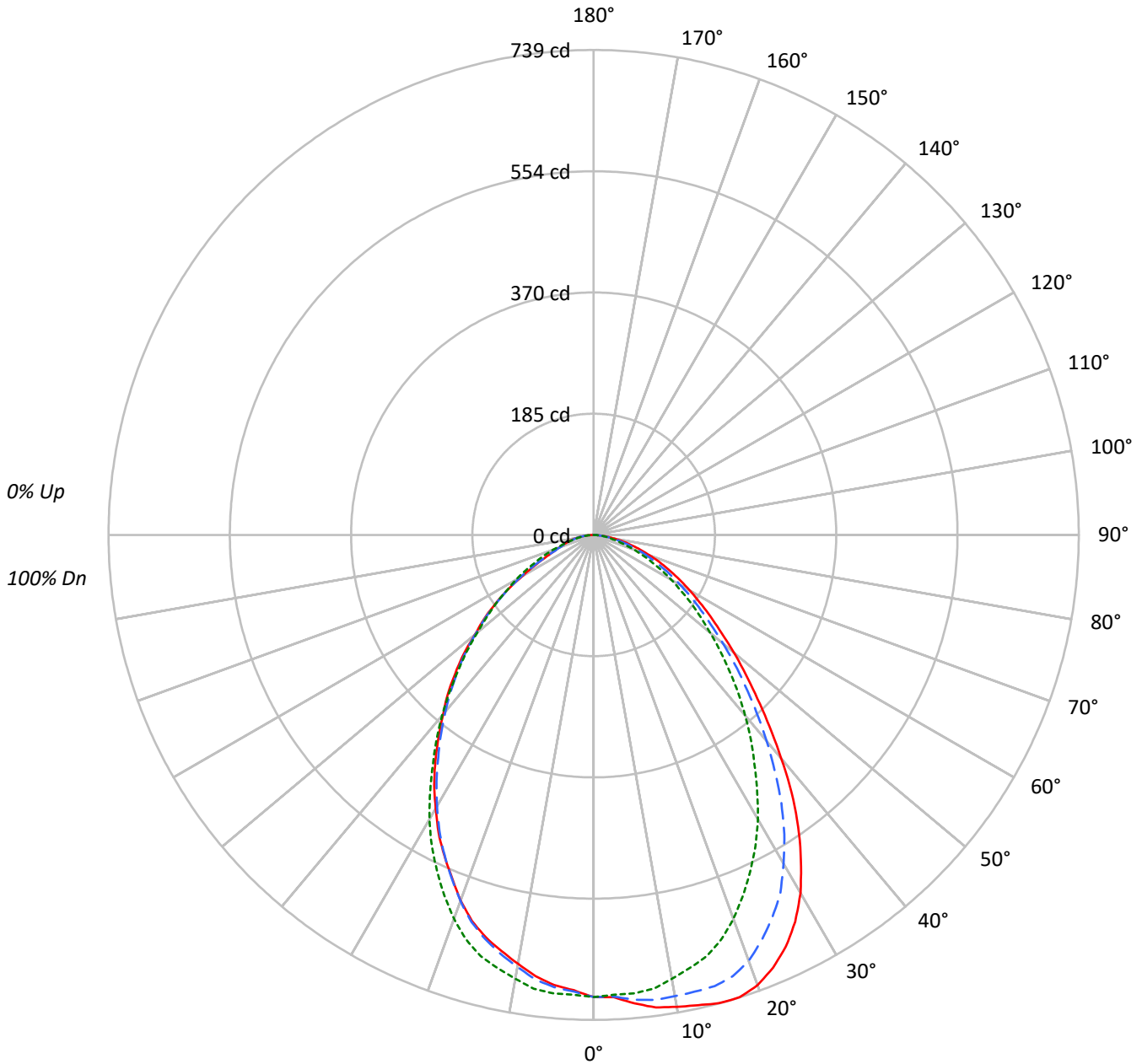
Lumens per Lamp: N/A  
Luminaire Lumens: 1379.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581819  
CATALOG NUMBER: HCC6S15D010MB-HM60525935-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581819

CATALOG NUMBER: HCC6S15D010MB-HM60525935-61WWWB

**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	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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

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

	0°	90°	180°
0°	38604	38604	38604
5°	39434	38587	37899
10°	40642	38231	36945
15°	41930	37724	36033
20°	42593	36304	34571
25°	41894	34157	32585
30°	39880	31663	30448
35°	36366	28583	28134
40°	31810	25677	25534
45°	27367	22599	23119
50°	23795	19692	20093
55°	20778	17280	17462
60°	18452	14966	13716
65°	16474	12608	10481
70°	14506	10338	8784
75°	12433	8155	8345
80°	10039	6977	8208
85°	6667	6038	7296



TEST NUMBER: P581819  
 CATALOG NUMBER: HCC6S15D010MB-HM60525935-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.7	4.8
10°-20°	189.8	13.8
20°-30°	270.9	19.6
30°-40°	283.8	20.6
40°-50°	238.9	17.3
50°-60°	170.1	12.3
60°-70°	99.5	7.2
70°-80°	47.1	3.4
80°-90°	12.1	0.9
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°	527.4	38.2
0°-40°	811.2	58.8
0°-60°	1220.2	88.5
0°-90°	1379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	704	704	704	704	704	
5°	717	711	701	692	689	69
15°	739	712	665	638	635	209
25°	693	644	565	538	539	317
35°	543	498	427	413	420	338
45°	353	327	292	292	298	274
55°	217	199	181	181	183	196
65°	127	113	97	82	81	127
75°	59	49	38	38	39	63
85°	11	9	10	12	12	14
90°	0	0	0	0	0	

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



TEST NUMBER: P581819

CATALOG NUMBER: HCC6S15D010MB-HM60525935-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2	704.2
2.5°	705.1	705.1	704.2	703.1	701.2	698.4	696.4	694.5	694.5
5°	716.6	714.7	710.9	706.1	701.2	695.5	691.7	688.7	688.7
7.5°	726.3	722.4	714.7	706.1	697.5	689.7	682.9	679.1	678.2
10°	730.1	725.3	713.8	700.3	686.8	676.2	668.5	663.7	663.7
12.5°	734.0	728.2	712.8	693.6	676.2	661.8	654.1	650.2	649.3
15°	738.8	731.1	711.9	687.8	664.7	648.3	637.8	634.9	634.9
17.5°	738.8	729.1	705.1	675.3	646.4	628.1	618.6	615.6	616.6
20°	730.1	719.5	690.6	654.1	622.3	603.1	593.5	591.6	592.6
22.5°	713.8	701.2	668.5	629.1	594.5	574.3	565.6	565.6	564.7
25°	692.6	679.1	643.5	602.1	564.7	544.5	537.8	538.7	538.7
27.5°	664.7	651.3	615.6	571.4	533.9	513.7	508.8	510.8	511.8
30°	630.0	615.6	578.2	534.8	500.2	480.0	477.2	480.0	481.0
32.5°	587.7	577.1	540.6	496.3	463.6	446.3	445.4	448.2	452.1
35°	543.4	532.0	498.3	457.9	427.1	412.7	412.7	417.5	420.4
37.5°	495.4	483.9	453.1	419.4	393.4	380.0	381.9	386.7	387.7
40°	444.5	435.7	409.7	380.9	358.8	348.2	351.1	355.9	356.8
42.5°	396.3	388.6	367.5	341.5	325.2	317.5	321.3	327.1	329.0
45°	353.0	344.4	327.1	305.0	291.5	287.6	292.4	296.2	298.2
47.5°	313.6	305.9	291.5	271.3	261.6	259.7	264.6	266.5	268.4
50°	279.0	271.3	256.9	238.6	230.9	230.9	234.7	236.6	235.6
52.5°	245.3	238.6	225.1	209.7	204.9	204.9	207.8	208.7	210.7
55°	217.4	210.7	199.1	184.7	180.8	178.9	180.8	180.8	182.7
57.5°	191.5	185.7	175.0	161.6	156.7	154.9	153.9	153.0	154.9
60°	168.3	163.6	152.0	140.4	136.5	131.8	127.9	124.1	125.1
62.5°	147.2	142.3	131.8	120.2	116.5	109.6	104.9	100.0	101.9
65°	127.0	122.1	112.6	102.9	97.2	89.4	81.7	78.9	80.8
67.5°	108.7	104.9	95.2	85.6	80.8	72.2	64.5	64.5	65.4
70°	90.5	86.6	78.9	70.3	64.5	56.8	53.9	54.8	54.8
72.5°	74.1	71.2	63.4	55.8	50.1	45.2	45.2	46.2	47.1
75°	58.7	56.8	49.0	42.3	38.5	35.6	37.6	38.5	39.4
77.5°	45.2	42.3	36.5	31.8	28.8	29.9	31.8	32.7	33.7
80°	31.8	30.8	26.0	23.0	22.1	23.0	25.0	26.0	26.0
82.5°	20.2	19.3	16.3	15.4	15.4	16.3	18.3	18.3	18.3
85°	10.6	9.6	8.6	8.6	9.6	10.6	11.6	11.6	11.6
87.5°	3.9	2.8	3.9	3.9	4.8	4.8	4.8	4.8	4.8
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)