

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: P581604

Luminaire Tested: **HCC6S10D010MB-HM60525835-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581604
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: HCC6S10D010MB-HM60525835-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

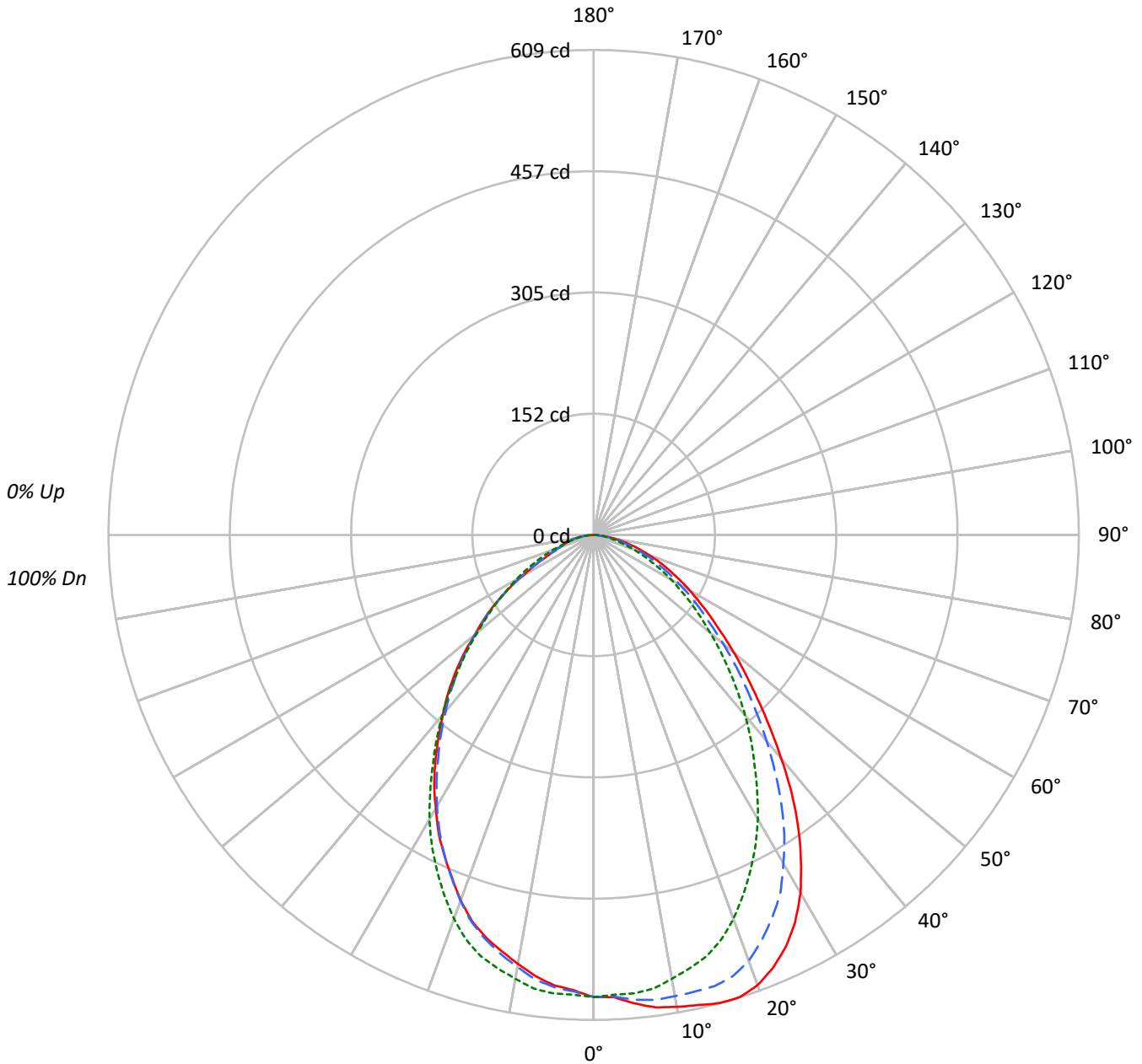
Lumens per Lamp: N/A
Luminaire Lumens: 1136.3 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P581604
CATALOG NUMBER: HCC6S10D010MB-HM60525835-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581604

CATALOG NUMBER: HCC6S10D010MB-HM60525835-61WWWB

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	34	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31812	31812	31812
5°	32500	31802	31235
10°	33494	31507	30449
15°	34552	31090	29694
20°	35102	29922	28481
25°	34526	28145	26850
30°	32866	26093	25086
35°	29968	23550	23182
40°	26206	21161	21047
45°	22553	18622	19056
50°	19607	16230	16571
55°	17127	14241	14394
60°	15207	12335	11293
65°	13568	10377	8639
70°	11941	8511	7245
75°	10230	6714	6884
80°	8240	5746	6756
85°	5472	4969	5975



TEST NUMBER: P581604
 CATALOG NUMBER: HCC6S10D010MB-HM60525835-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	4.8
10°-20°	156.4	13.8
20°-30°	223.3	19.6
30°-40°	233.9	20.6
40°-50°	196.9	17.3
50°-60°	140.1	12.3
60°-70°	82.0	7.2
70°-80°	38.8	3.4
80°-90°	10.0	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°	434.6	38.2
0°-40°	668.5	58.8
0°-60°	1005.5	88.5
0°-90°	1136.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	580	580	580	580	580	
5°	591	586	578	570	568	57
15°	609	587	548	526	523	172
25°	571	530	465	443	444	261
35°	448	411	352	340	346	278
45°	291	270	240	241	246	226
55°	179	164	149	149	151	161
65°	105	93	80	67	67	104
75°	48	40	32	31	32	52
85°	9	7	8	10	10	11
90°	0	0	0	0	0	

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



TEST NUMBER: P581604

CATALOG NUMBER: HCC6S10D010MB-HM60525835-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	581.1	581.1	580.3	579.5	577.9	575.5	573.9	572.3	572.3
5°	590.6	589.0	585.8	581.8	577.9	573.1	570.0	567.6	567.6
7.5°	598.5	595.3	589.0	581.8	574.7	568.4	562.8	559.7	558.9
10°	601.7	597.7	588.2	577.1	566.0	557.3	550.9	547.0	547.0
12.5°	604.8	600.1	587.4	571.5	557.3	545.4	539.1	535.9	535.1
15°	608.8	602.5	586.6	566.8	547.8	534.3	525.6	523.2	523.2
17.5°	608.8	600.9	581.1	556.5	532.7	517.7	509.7	507.4	508.2
20°	601.7	592.9	569.2	539.1	512.9	496.9	489.0	487.4	488.2
22.5°	588.2	577.9	550.9	518.5	489.8	473.2	466.0	466.0	465.3
25°	570.8	559.7	530.3	496.2	465.3	448.6	443.1	443.9	443.9
27.5°	547.8	536.7	507.4	470.8	439.9	423.3	419.3	420.9	421.7
30°	519.2	507.4	476.3	440.7	412.2	395.5	393.1	395.5	396.3
32.5°	484.3	475.6	445.4	409.0	382.0	367.8	367.0	369.4	372.5
35°	447.8	438.3	410.6	377.3	351.9	340.1	340.1	344.0	346.4
37.5°	408.2	398.7	373.3	345.6	324.2	313.1	314.7	318.7	319.5
40°	366.2	359.1	337.7	313.9	295.7	287.0	289.3	293.3	294.1
42.5°	326.6	320.2	302.8	281.4	267.9	261.6	264.8	269.5	271.1
45°	290.9	283.8	269.5	251.3	240.2	237.0	241.0	244.2	245.8
47.5°	258.4	252.1	240.2	223.6	215.6	214.1	218.0	219.6	221.2
50°	229.9	223.6	211.7	196.6	190.3	190.3	193.5	195.0	194.3
52.5°	202.2	196.6	185.5	172.9	168.9	168.9	171.3	172.1	173.6
55°	179.2	173.6	164.0	152.1	149.0	147.4	149.0	149.0	150.6
57.5°	157.7	152.9	144.2	133.1	129.2	127.6	126.8	126.0	127.6
60°	138.7	134.7	125.2	115.7	112.5	108.6	105.4	102.2	103.0
62.5°	121.2	117.3	108.6	99.0	95.9	90.3	86.4	82.4	84.0
65°	104.6	100.6	92.7	84.8	80.0	73.7	67.4	65.0	66.6
67.5°	89.5	86.4	78.4	70.5	66.6	59.4	53.1	53.1	53.9
70°	74.5	71.3	65.0	57.8	53.1	46.8	44.4	45.2	45.2
72.5°	61.0	58.6	52.3	46.0	41.2	37.2	37.2	38.0	38.8
75°	48.3	46.8	40.4	34.9	31.7	29.3	30.9	31.7	32.5
77.5°	37.2	34.9	30.1	26.1	23.8	24.6	26.1	26.9	27.7
80°	26.1	25.4	21.4	19.0	18.2	19.0	20.6	21.4	21.4
82.5°	16.6	15.8	13.5	12.7	12.7	13.5	15.1	15.1	15.1
85°	8.7	7.9	7.1	7.1	7.9	8.7	9.5	9.5	9.5
87.5°	3.2	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0
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)