

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: P581675

Luminaire Tested: **HCC6S10D010MB-HM60525935-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581675
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-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

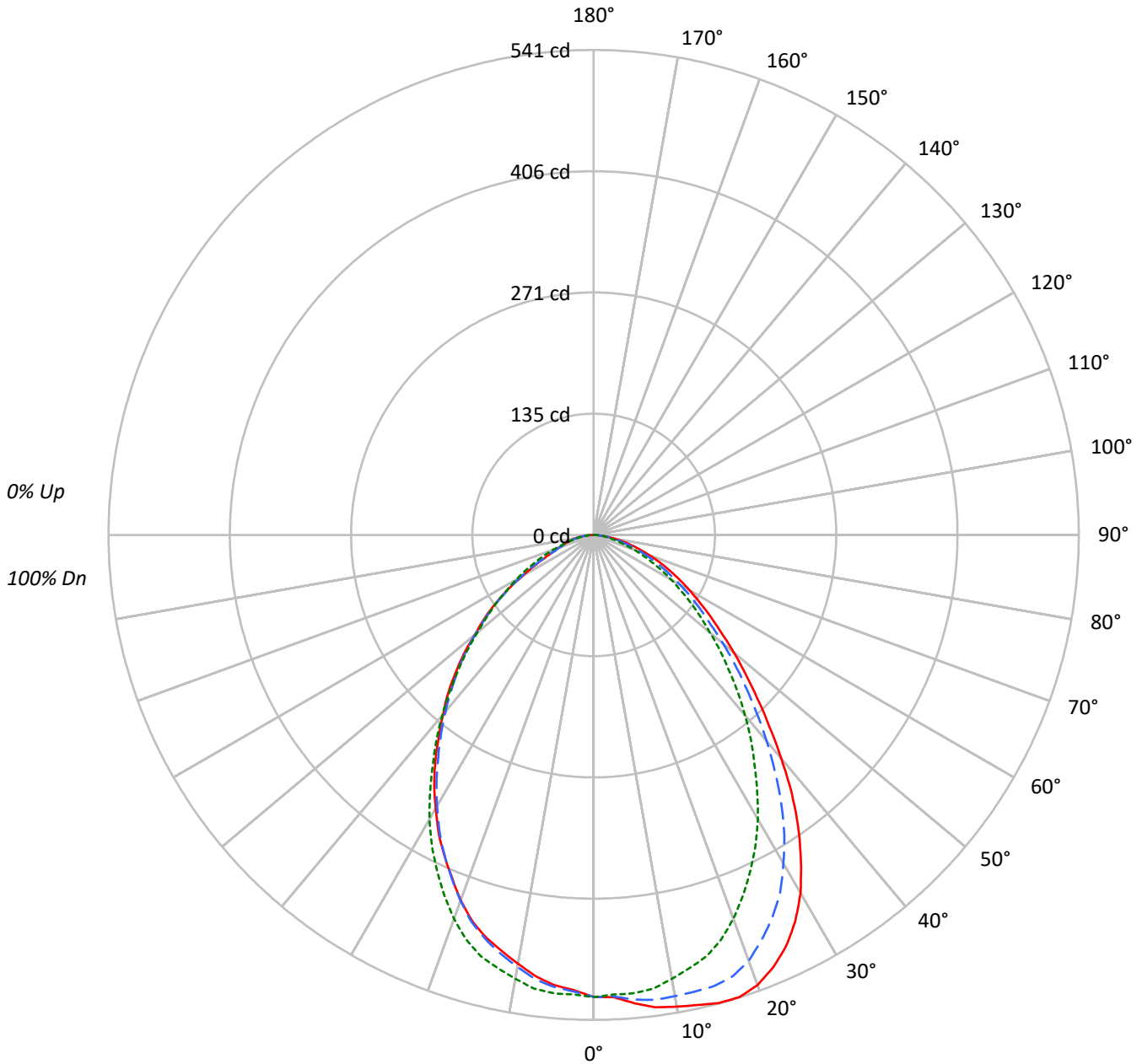
Lumens per Lamp: N/A
Luminaire Lumens: 1009.2 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581675
CATALOG NUMBER: HCC6S10D010MB-HM60525935-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581675

CATALOG NUMBER: HCC6S10D010MB-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°	28254	28254	28254
5°	28863	28241	27740
10°	29742	27983	27037
15°	30681	27611	26374
20°	31170	26573	25301
25°	30661	24999	23850
30°	29194	23174	22288
35°	26622	20913	20592
40°	23272	18792	18692
45°	20025	16537	16916
50°	17415	14413	14712
55°	15216	12645	12788
60°	13508	10964	10043
65°	12051	9223	7666
70°	10611	7565	6443
75°	9087	5973	6121
80°	7324	5114	5998
85°	4843	4403	5346



TEST NUMBER: P581675
 CATALOG NUMBER: HCC6S10D010MB-HM60525935-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	4.8
10°-20°	138.9	13.8
20°-30°	198.3	19.6
30°-40°	207.7	20.6
40°-50°	174.9	17.3
50°-60°	124.5	12.3
60°-70°	72.8	7.2
70°-80°	34.5	3.4
80°-90°	8.9	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°	386.0	38.2
0°-40°	593.7	58.8
0°-60°	893.0	88.5
0°-90°	1009.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	515	515	515	515	515	
5°	524	520	513	506	504	50
15°	541	521	486	467	465	153
25°	507	471	413	394	394	232
35°	398	365	312	302	308	247
45°	258	239	213	214	218	201
55°	159	146	132	132	134	143
65°	93	82	71	60	59	93
75°	43	36	28	28	29	46
85°	8	6	7	8	8	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581675

CATALOG NUMBER: HCC6S10D010MB-HM60525935-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
2.5°	516.1	516.1	515.4	514.6	513.2	511.1	509.7	508.3	508.3
5°	524.5	523.1	520.3	516.8	513.2	509.1	506.2	504.1	504.1
7.5°	531.6	528.8	523.1	516.8	510.4	504.8	499.9	497.1	496.4
10°	534.3	530.8	522.4	512.6	502.7	494.9	489.3	485.7	485.7
12.5°	537.1	532.9	521.7	507.6	494.9	484.4	478.7	475.9	475.2
15°	540.6	535.1	520.9	503.4	486.5	474.5	466.7	464.7	464.7
17.5°	540.6	533.6	516.1	494.2	473.1	459.7	452.7	450.5	451.3
20°	534.3	526.6	505.4	478.7	455.5	441.5	434.3	433.0	433.7
22.5°	522.4	513.2	489.3	460.4	435.1	420.3	414.0	414.0	413.3
25°	506.9	497.1	471.0	440.7	413.3	398.5	393.6	394.3	394.3
27.5°	486.5	476.6	450.5	418.2	390.8	375.9	372.4	373.8	374.6
30°	461.2	450.5	423.1	391.4	366.1	351.3	349.2	351.3	352.1
32.5°	430.2	422.5	395.6	363.3	339.4	326.7	326.0	328.1	330.9
35°	397.8	389.3	364.7	335.1	312.5	302.0	302.0	305.5	307.7
37.5°	362.6	354.1	331.6	307.0	288.0	278.1	279.5	283.0	283.7
40°	325.2	318.9	299.9	278.8	262.6	254.8	257.0	260.5	261.2
42.5°	290.0	284.5	269.0	249.9	237.9	232.3	235.1	239.4	240.8
45°	258.3	252.1	239.4	223.2	213.3	210.6	214.1	216.9	218.2
47.5°	229.6	223.9	213.3	198.6	191.5	190.1	193.6	195.0	196.4
50°	204.2	198.6	188.0	174.6	169.0	169.0	171.8	173.2	172.5
52.5°	179.5	174.6	164.7	153.5	150.0	150.0	152.0	152.8	154.2
55°	159.2	154.2	145.7	135.2	132.3	131.0	132.3	132.3	133.8
57.5°	140.1	135.8	128.1	118.3	114.8	113.3	112.6	112.0	113.3
60°	123.2	119.7	111.3	102.8	100.0	96.4	93.6	90.8	91.6
62.5°	107.8	104.1	96.4	88.0	85.2	80.3	76.7	73.2	74.6
65°	92.9	89.4	82.4	75.3	71.1	65.4	59.9	57.7	59.1
67.5°	79.6	76.7	69.7	62.7	59.1	52.8	47.2	47.2	47.9
70°	66.2	63.4	57.7	51.4	47.2	41.5	39.4	40.2	40.2
72.5°	54.2	52.1	46.4	40.9	36.6	33.1	33.1	33.8	34.5
75°	42.9	41.5	35.9	31.0	28.2	26.0	27.5	28.2	28.9
77.5°	33.1	31.0	26.7	23.2	21.2	21.8	23.2	23.9	24.7
80°	23.2	22.5	19.0	16.9	16.2	16.9	18.3	19.0	19.0
82.5°	14.8	14.0	12.0	11.3	11.3	12.0	13.4	13.4	13.4
85°	7.7	7.0	6.3	6.3	7.0	7.7	8.5	8.5	8.5
87.5°	2.8	2.2	2.8	2.8	3.5	3.5	3.5	3.5	3.5
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)