

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: P593087

Luminaire Tested: **HCC6S10D010MB-HM60525950-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593087
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-HM60525950-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

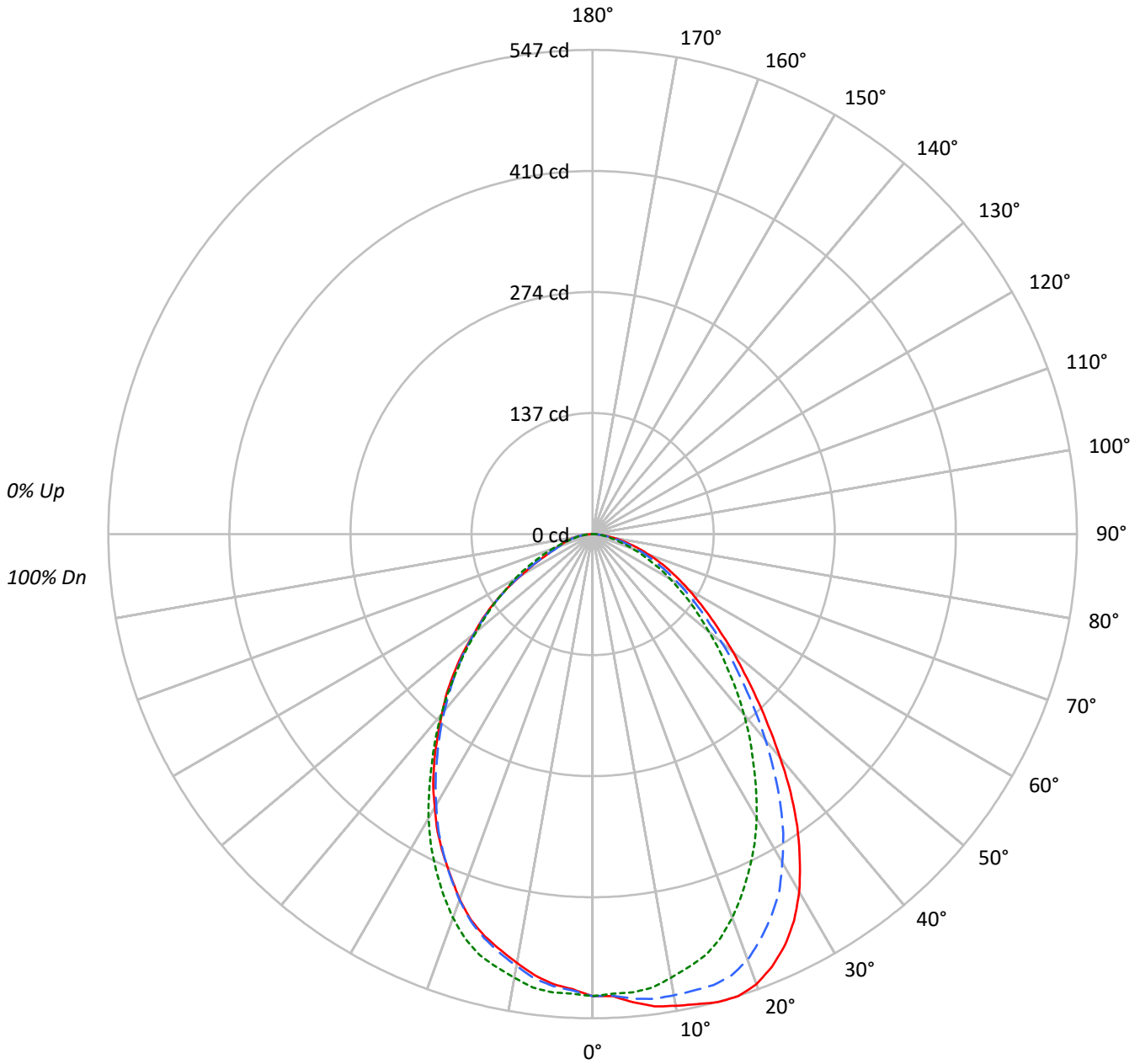
Lumens per Lamp: N/A
Luminaire Lumens: 1021.9 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): 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: P593087
CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P593087

CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWWB

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	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°	28611	28611	28611
5°	29221	28599	28087
10°	30121	28328	27382
15°	31067	27951	26703
20°	31567	26906	25616
25°	31042	25308	24141
30°	29555	23466	22567
35°	26957	21181	20847
40°	23566	19029	18921
45°	20281	16746	17134
50°	17628	14584	14899
55°	15397	12807	12941
60°	13672	11096	10164
65°	12206	9340	7770
70°	10739	7662	6508
75°	9214	6037	6185
80°	7419	5177	6061
85°	4906	4466	5409



TEST NUMBER: P593087
 CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	4.8
10°-20°	140.6	13.8
20°-30°	200.8	19.6
30°-40°	210.3	20.6
40°-50°	177.1	17.3
50°-60°	126.0	12.3
60°-70°	73.8	7.2
70°-80°	34.9	3.4
80°-90°	9.0	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°	390.8	38.2
0°-40°	601.1	58.8
0°-60°	904.2	88.5
0°-90°	1021.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	522	522	522	522	522	
5°	531	527	520	513	510	51
15°	547	528	492	473	470	155
25°	513	477	418	398	399	235
35°	403	369	316	306	312	250
45°	262	242	216	217	221	203
55°	161	148	134	134	135	145
65°	94	83	72	61	60	94
75°	44	36	28	28	29	47
85°	8	6	7	9	9	10
90°	0	0	0	0	0	

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



TEST NUMBER: P593087

CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	522.5	522.5	521.9	521.1	519.7	517.6	516.1	514.7	514.7
5°	531.0	529.7	526.8	523.2	519.7	515.4	512.6	510.4	510.4
7.5°	538.2	535.3	529.7	523.2	516.8	511.1	506.1	503.3	502.6
10°	541.1	537.5	529.0	518.9	508.9	501.1	495.5	491.9	491.9
12.5°	543.9	539.6	528.2	513.9	501.1	490.4	484.7	481.9	481.2
15°	547.4	541.8	527.5	509.7	492.5	480.4	472.6	470.5	470.5
17.5°	547.4	540.3	522.5	500.5	479.1	465.5	458.3	456.2	457.0
20°	541.1	533.2	511.8	484.7	461.2	446.9	439.8	438.4	439.1
22.5°	529.0	519.7	495.5	466.2	440.6	425.5	419.2	419.2	418.4
25°	513.2	503.3	476.9	446.2	418.4	403.4	398.5	399.1	399.1
27.5°	492.5	482.6	456.2	423.5	395.6	380.7	377.1	378.5	379.2
30°	466.9	456.2	428.5	396.3	370.7	355.7	353.5	355.7	356.5
32.5°	435.6	427.7	400.6	367.8	343.6	330.8	330.1	332.2	335.1
35°	402.8	394.2	369.3	339.3	316.5	305.9	305.9	309.4	311.5
37.5°	367.1	358.6	335.8	310.8	291.6	281.5	283.0	286.5	287.3
40°	329.3	323.0	303.7	282.3	265.9	258.1	260.1	263.8	264.4
42.5°	293.6	288.0	272.4	253.1	240.9	235.2	238.1	242.4	243.8
45°	261.6	255.2	242.4	225.9	216.0	213.2	216.7	219.6	221.0
47.5°	232.4	226.7	216.0	201.0	193.9	192.4	196.1	197.4	198.9
50°	206.7	201.0	190.3	176.8	171.0	171.0	174.0	175.3	174.7
52.5°	181.8	176.8	166.9	155.4	151.8	151.8	154.0	154.6	156.1
55°	161.1	156.1	147.6	136.9	134.0	132.6	134.0	134.0	135.4
57.5°	141.8	137.5	129.7	119.8	116.1	114.8	114.1	113.3	114.8
60°	124.7	121.2	112.6	104.0	101.2	97.7	94.9	91.9	92.7
62.5°	109.0	105.5	97.7	89.1	86.3	81.3	77.7	74.1	75.6
65°	94.1	90.6	83.4	76.3	72.0	66.3	60.6	58.4	59.9
67.5°	80.6	77.7	70.5	63.4	59.9	53.4	47.8	47.8	48.4
70°	67.0	64.2	58.4	52.1	47.8	42.1	40.0	40.6	40.6
72.5°	54.9	52.8	47.1	41.3	37.0	33.5	33.5	34.2	35.0
75°	43.5	42.1	36.3	31.4	28.5	26.4	27.8	28.5	29.2
77.5°	33.5	31.4	27.1	23.5	21.4	22.1	23.5	24.2	24.9
80°	23.5	22.9	19.2	17.1	16.4	17.1	18.6	19.2	19.2
82.5°	14.9	14.3	12.1	11.4	11.4	12.1	13.6	13.6	13.6
85°	7.8	7.1	6.5	6.5	7.1	7.8	8.6	8.6	8.6
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)