

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: P592994

Luminaire Tested: **HCC6S05D010SL-HM60525850-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P592994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010SL-HM60525850-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

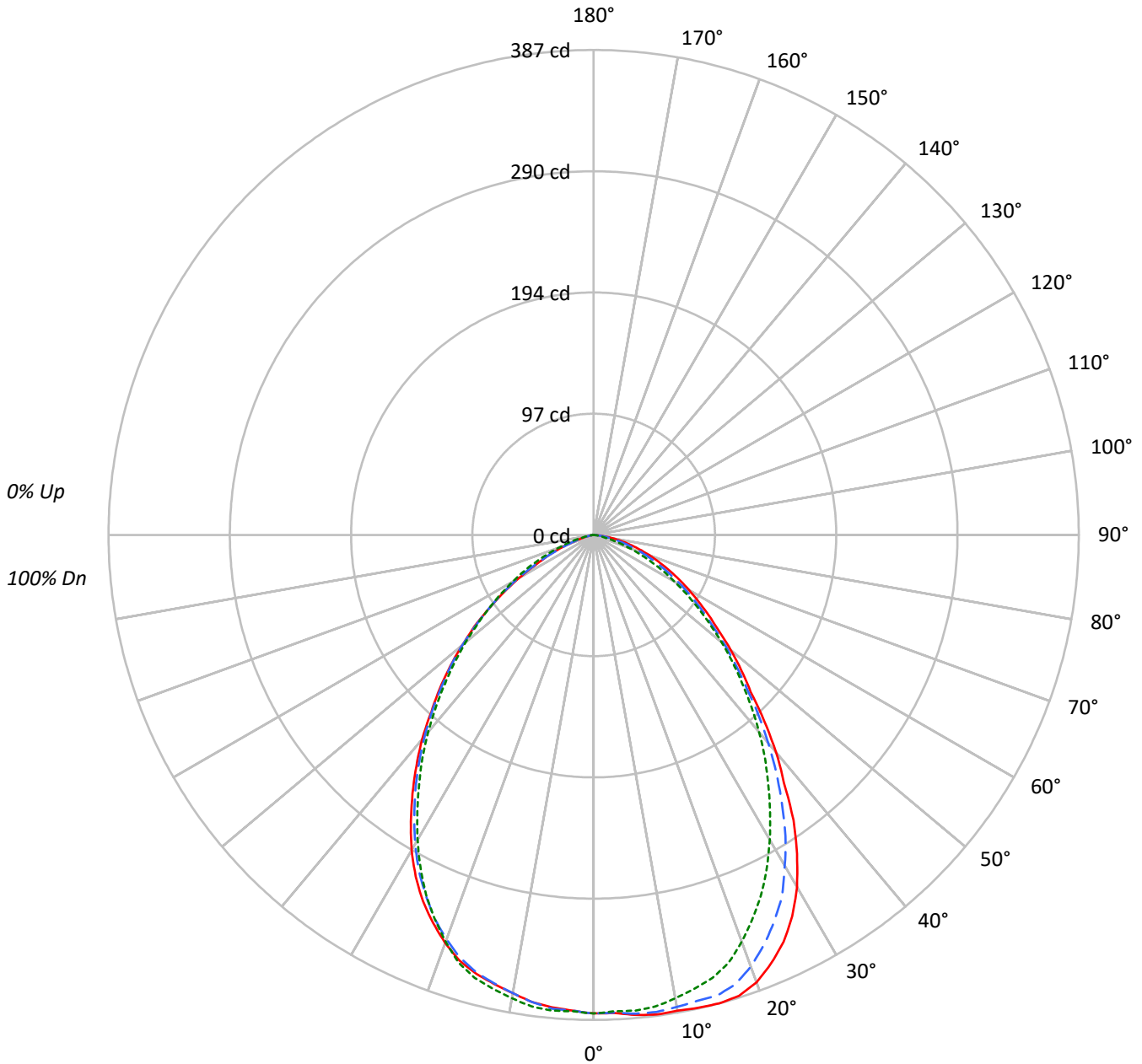
Lumens per Lamp: N/A  
Luminaire Lumens: 748.5 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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: P592994  
CATALOG NUMBER: HCC6S05D010SL-HM60525850-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P592994

CATALOG NUMBER: HCC6S05D010SL-HM60525850-61RWWH

**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	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			77
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

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

	0°	90°	180°
0°	20936	20936	20936
5°	21159	20966	20823
10°	21465	20903	20674
15°	21964	20772	20573
20°	22169	20150	20214
25°	21679	19138	19501
30°	20535	17781	18383
35°	18598	16249	16858
40°	16195	14692	15229
45°	13738	13001	13467
50°	12170	11360	11658
55°	10714	9711	9663
60°	9604	8179	7521
65°	8574	6551	5396
70°	7533	4728	3366
75°	6375	2881	1906
80°	4893	1263	789
85°	2830	314	314



TEST NUMBER: P592994  
 CATALOG NUMBER: HCC6S05D010SL-HM60525850-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.3	4.8
10°-20°	104.2	13.9
20°-30°	150.6	20.1
30°-40°	158.5	21.2
40°-50°	133.2	17.8
50°-60°	93.5	12.5
60°-70°	51.4	6.9
70°-80°	18.3	2.4
80°-90°	2.4	0.3
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°	291.1	38.9
0°-40°	449.6	60.1
0°-60°	676.4	90.4
0°-90°	748.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	382	382	382	382	382	
5°	384	384	381	380	378	37
15°	387	380	366	362	362	109
25°	358	340	316	317	322	164
35°	278	262	243	248	252	172
45°	177	172	168	172	174	139
55°	112	106	102	102	101	101
65°	66	59	50	42	42	66
75°	30	24	14	9	9	32
85°	4	2	0	0	0	6
90°	0	0	0	0	0	

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



TEST NUMBER: P592994

CATALOG NUMBER: HCC6S05D010SL-HM60525850-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9
2.5°	381.9	381.9	381.5	381.5	380.5	380.5	380.0	380.0	380.0
5°	384.5	384.5	383.5	381.9	381.0	379.5	379.5	379.0	378.4
7.5°	386.0	385.6	384.0	381.9	379.5	377.0	376.0	376.5	376.0
10°	385.6	384.5	382.5	378.4	375.5	372.0	371.4	371.0	371.4
12.5°	386.5	385.0	381.0	376.0	371.0	367.0	366.5	366.5	367.0
15°	387.0	385.6	380.5	373.0	366.0	361.9	361.5	361.9	362.5
17.5°	385.6	383.5	376.0	366.0	358.0	353.9	353.9	354.9	356.0
20°	380.0	377.0	366.5	354.5	345.4	342.4	343.4	345.4	346.5
22.5°	370.0	366.5	354.5	340.9	331.4	328.9	331.4	333.9	334.9
25°	358.4	354.5	340.5	326.5	316.4	313.5	317.0	320.9	322.4
27.5°	343.0	338.4	325.4	309.4	299.3	297.9	301.9	306.3	307.4
30°	324.4	319.5	304.9	289.8	280.9	280.4	284.9	288.8	290.4
32.5°	301.9	297.4	284.9	269.8	261.8	261.8	266.3	269.8	271.3
35°	277.9	272.9	261.8	249.3	242.8	243.3	247.8	250.3	251.9
37.5°	249.3	247.8	239.3	228.8	224.3	225.3	228.8	230.7	232.3
40°	226.3	222.3	216.7	208.3	205.3	206.2	209.7	211.8	212.8
42.5°	201.3	198.8	194.2	188.3	186.2	187.7	190.7	192.2	191.8
45°	177.2	176.7	172.2	168.7	167.7	169.7	171.8	173.2	173.7
47.5°	159.7	157.7	153.7	151.2	150.2	152.2	154.2	155.1	155.1
50°	142.7	140.7	136.7	134.1	133.2	135.1	136.7	137.6	136.7
52.5°	125.7	123.6	120.1	117.2	116.6	117.6	118.2	118.6	119.7
55°	112.1	110.2	106.1	102.6	101.6	102.2	101.6	101.6	101.1
57.5°	99.1	97.2	93.1	89.2	87.6	87.1	85.7	85.1	84.6
60°	87.6	85.1	81.1	76.6	74.6	72.5	70.1	68.6	68.6
62.5°	76.6	74.1	69.6	65.5	62.6	59.1	55.0	53.1	53.1
65°	66.1	64.1	59.1	54.6	50.5	46.1	41.6	40.6	41.6
67.5°	56.0	54.0	49.0	44.5	39.6	34.0	30.1	30.1	31.1
70°	47.0	45.1	40.6	35.0	29.5	24.1	21.0	21.0	21.0
72.5°	38.5	36.5	31.5	26.6	21.0	15.5	14.0	14.5	14.0
75°	30.1	28.6	24.1	18.5	13.6	9.5	9.0	8.5	9.0
77.5°	22.5	21.0	17.1	12.0	7.5	5.5	5.0	5.0	5.0
80°	15.5	14.0	11.0	7.0	4.0	2.5	2.5	2.5	2.5
82.5°	9.5	8.0	6.0	3.5	1.5	1.5	1.5	1.5	1.5
85°	4.5	3.5	2.5	1.0	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	0.5	0.5	0.0	0.5	0.5	0.0	0.0
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)