

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: P593100

Luminaire Tested: **HCC6S15D010SL-HM60525850-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593100
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: HCC6S15D010SL-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

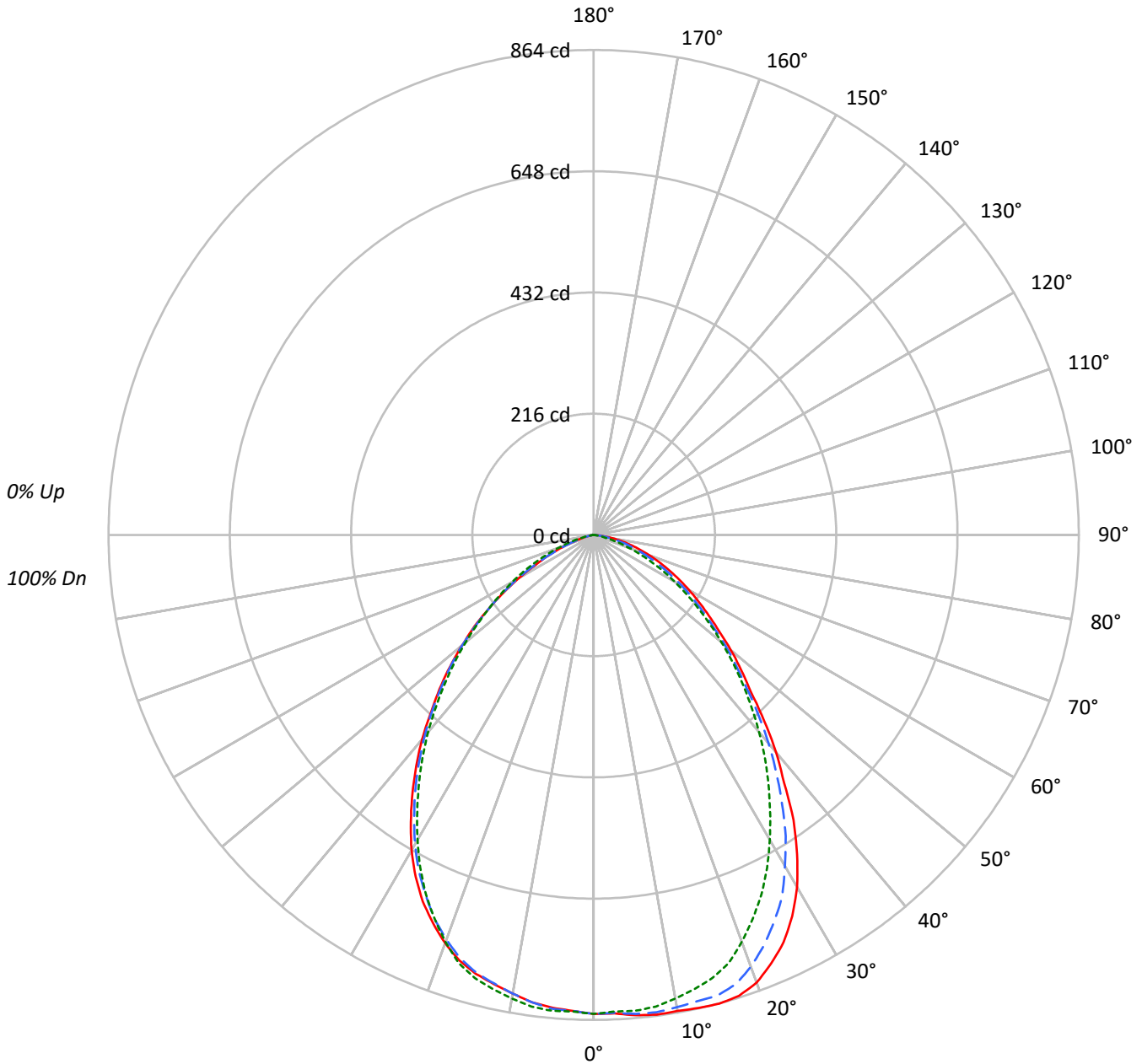
Lumens per Lamp: N/A
Luminaire Lumens: 1671.9 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P593100
CATALOG NUMBER: HCC6S15D010SL-HM60525850-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P593100

CATALOG NUMBER: HCC6S15D010SL-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	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°	46778	46778	46778
5°	47265	46830	46528
10°	47928	46687	46192
15°	49058	46391	45948
20°	49518	45014	45142
25°	48426	42752	43563
30°	45868	39709	41063
35°	41532	36299	37644
40°	36168	32811	34007
45°	30693	29050	30088
50°	27180	25372	26038
55°	23942	21696	21591
60°	21457	18266	16797
65°	19159	14645	12038
70°	16846	10563	7533
75°	14212	6397	4257
80°	10923	2841	1768
85°	6353	692	692



TEST NUMBER: P593100

CATALOG NUMBER: HCC6S15D010SL-HM60525850-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	4.8
10°-20°	232.8	13.9
20°-30°	336.5	20.1
30°-40°	354.1	21.2
40°-50°	297.6	17.8
50°-60°	208.9	12.5
60°-70°	114.9	6.9
70°-80°	40.8	2.4
80°-90°	5.3	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°	650.3	38.9
0°-40°	1004.3	60.1
0°-60°	1510.9	90.4
0°-90°	1671.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	853	853	853	853	853	
5°	859	857	851	848	846	82
15°	864	850	817	807	810	244
25°	801	760	707	708	720	366
35°	621	585	542	554	562	385
45°	396	385	375	384	388	311
55°	250	237	227	227	226	225
65°	148	132	113	93	93	147
75°	67	54	30	20	20	72
85°	10	6	1	1	1	14
90°	0	0	0	0	0	

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



TEST NUMBER: P593100

CATALOG NUMBER: HCC6S15D010SL-HM60525850-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	853.3	853.3	853.3	853.3	853.3	853.3	853.3	853.3	853.3
2.5°	853.3	853.3	852.2	852.2	849.9	849.9	848.8	848.8	848.8
5°	858.9	858.9	856.6	853.3	851.0	847.6	847.6	846.5	845.5
7.5°	862.1	861.0	857.7	853.3	847.6	842.1	839.8	840.9	839.8
10°	861.0	858.9	854.3	845.5	838.7	830.8	829.8	828.7	829.8
12.5°	863.3	860.0	851.0	839.8	828.7	819.7	818.6	818.6	819.7
15°	864.4	861.0	849.9	833.1	817.4	808.5	807.4	808.5	809.6
17.5°	861.0	856.6	839.8	817.4	799.6	790.6	790.6	792.8	795.1
20°	848.8	842.1	818.6	791.8	771.6	764.9	767.1	771.6	773.8
22.5°	826.4	818.6	791.8	761.6	740.2	734.7	740.2	745.9	748.1
25°	800.6	791.8	760.4	729.1	706.8	700.1	707.9	716.9	720.2
27.5°	766.0	755.9	726.9	691.1	668.7	665.3	674.3	684.4	686.6
30°	724.6	713.5	681.0	647.5	627.3	626.2	636.3	645.2	648.7
32.5°	674.3	664.2	636.3	602.8	584.9	584.9	595.0	602.8	606.1
35°	620.6	609.5	584.9	556.9	542.4	543.4	553.5	559.1	562.5
37.5°	556.9	553.5	534.6	511.1	501.0	503.3	511.1	515.5	518.9
40°	505.4	496.6	484.2	465.2	458.5	460.7	468.5	473.1	475.2
42.5°	449.6	443.9	433.9	420.5	416.0	419.4	426.1	429.4	428.3
45°	395.9	394.8	384.7	376.8	374.7	379.1	383.5	386.9	388.1
47.5°	356.7	352.3	343.3	337.7	335.5	339.9	344.5	346.6	346.6
50°	318.7	314.3	305.3	299.6	297.5	301.9	305.3	307.5	305.3
52.5°	280.7	276.3	268.4	261.7	260.6	262.8	263.9	265.0	267.3
55°	250.5	246.1	237.1	229.3	227.0	228.1	227.0	227.0	225.9
57.5°	221.4	216.9	208.0	199.1	195.7	194.5	191.2	190.1	189.0
60°	195.7	190.1	181.1	171.0	166.6	162.2	156.5	153.2	153.2
62.5°	171.0	165.5	155.5	146.5	139.8	132.0	123.0	118.5	118.5
65°	147.7	143.1	132.0	121.9	112.9	102.8	92.8	90.6	92.8
67.5°	125.2	120.8	109.6	99.5	88.3	76.0	67.1	67.1	69.3
70°	105.1	100.7	90.6	78.3	65.9	53.7	47.0	47.0	47.0
72.5°	86.1	81.6	70.5	59.2	47.0	34.6	31.3	32.5	31.3
75°	67.1	63.8	53.7	41.4	30.2	21.2	20.1	19.0	20.1
77.5°	50.3	47.0	38.0	26.8	16.8	12.3	11.2	11.2	11.2
80°	34.6	31.3	24.6	15.7	9.0	5.6	5.6	5.6	5.6
82.5°	21.2	17.9	13.4	7.8	3.4	3.4	3.4	3.4	3.4
85°	10.1	7.8	5.6	2.3	1.1	1.1	1.1	1.1	1.1
87.5°	2.3	2.3	1.1	1.1	0.0	1.1	1.1	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)