

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: P581630

Luminaire Tested: **HCC6S10D010SL-HM60525927-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S10D010SL-HM60525927-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

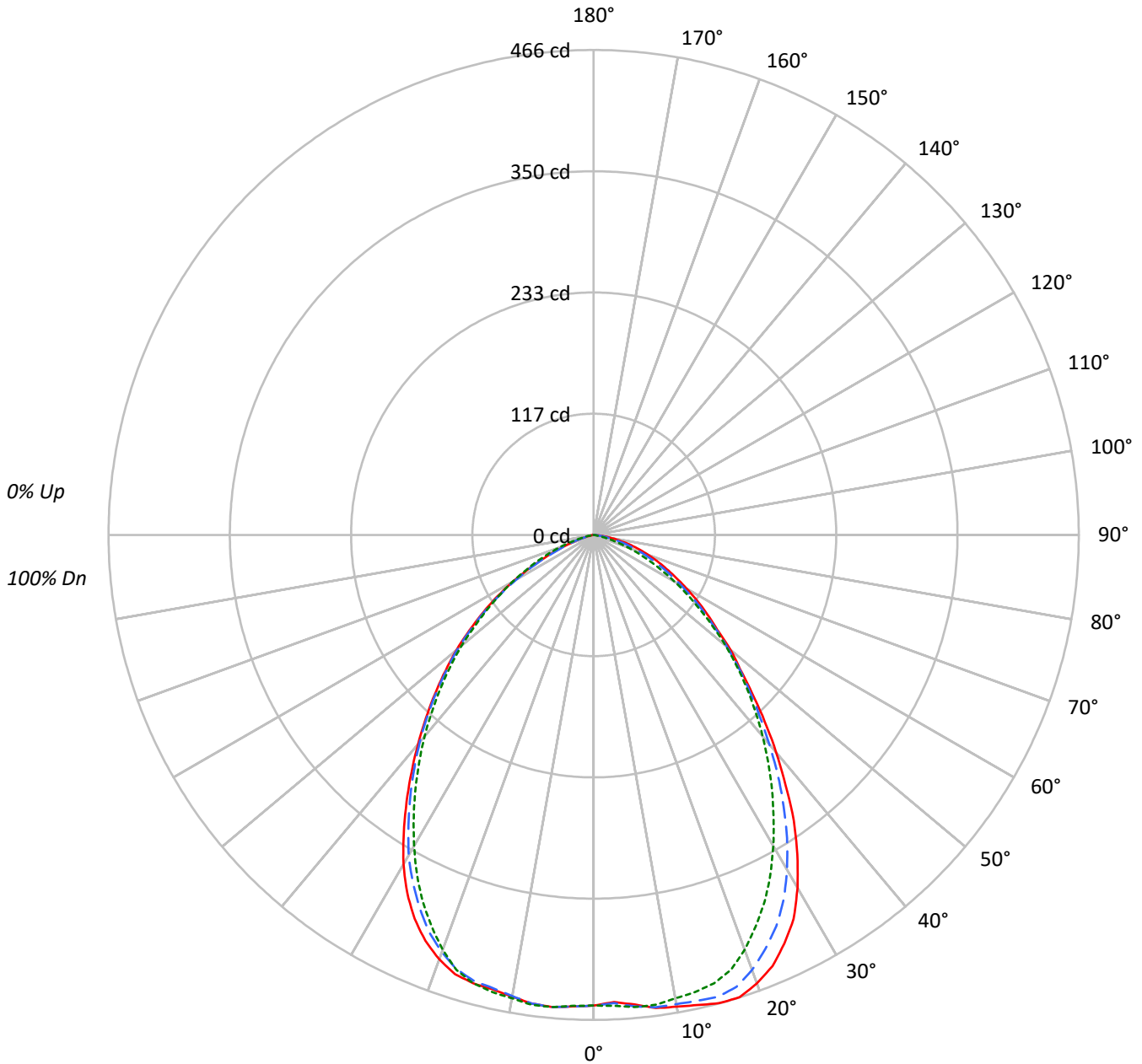
Lumens per Lamp: N/A
Luminaire Lumens: 913.1 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581630
CATALOG NUMBER: HCC6S10D010SL-HM60525927-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581630

CATALOG NUMBER: HCC6S10D010SL-HM60525927-61RWWC

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	94	92	90	88					88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68					68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60					60			
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	62	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	24790	24790	24790
5°	24923	25060	25060
10°	25623	25172	25072
15°	26436	25318	25318
20°	26748	24735	25313
25°	26209	23499	24618
30°	24789	21839	23124
35°	22433	19977	20960
40°	19515	18070	18771
45°	16676	16102	16676
50°	14635	14115	14686
55°	12769	11890	12358
60°	11293	9879	9747
65°	10014	7796	6680
70°	8832	5498	4023
75°	7519	3114	1949
80°	5619	979	568
85°	3082	377	377



TEST NUMBER: P581630

CATALOG NUMBER: HCC6S10D010SL-HM60525927-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	4.8
10°-20°	126.9	13.9
20°-30°	185.4	20.3
30°-40°	194.4	21.3
40°-50°	163.8	17.9
50°-60°	114.8	12.6
60°-70°	61.5	6.7
70°-80°	20.6	2.3
80°-90°	2.2	0.2
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°	355.7	39.0
0°-40°	550.1	60.2
0°-60°	828.7	90.8
0°-90°	913.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	452	452	452	452	452	
5°	453	455	455	455	455	44
15°	466	460	446	444	446	131
25°	433	415	388	395	407	198
35°	335	318	298	307	313	208
45°	215	212	208	213	215	168
55°	134	129	124	127	129	120
65°	77	70	60	50	52	77
75°	36	28	15	9	9	38
85°	5	2	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P581630

CATALOG NUMBER: HCC6S10D010SL-HM60525927-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2	452.2
2.5°	449.2	449.2	450.4	451.7	452.9	452.9	453.5	454.2	453.5
5°	452.9	452.9	454.7	455.4	455.4	454.7	455.4	455.4	455.4
7.5°	458.5	457.2	457.8	456.5	455.4	454.7	454.2	454.2	454.2
10°	460.3	459.0	457.8	455.4	452.2	450.4	449.9	450.4	450.4
12.5°	462.6	461.5	458.5	453.5	449.9	446.8	446.1	447.4	447.4
15°	465.8	464.6	459.6	451.7	446.1	443.1	443.7	444.9	446.1
17.5°	465.8	463.3	455.4	444.9	438.2	435.1	437.6	440.7	442.5
20°	458.5	456.0	444.9	432.1	424.0	422.2	426.5	432.1	433.9
22.5°	448.6	443.7	430.8	415.6	407.0	407.0	413.1	419.9	422.2
25°	433.3	429.6	414.9	397.1	388.5	387.9	395.3	404.5	407.0
27.5°	416.1	411.3	395.3	377.0	367.7	368.4	376.3	385.4	387.9
30°	391.6	385.4	371.4	353.6	345.0	347.5	355.4	362.2	365.3
32.5°	364.1	358.5	345.6	329.1	321.7	324.2	331.0	337.1	339.5
35°	335.2	329.1	318.1	303.4	298.5	300.9	307.0	312.0	313.2
37.5°	302.7	298.5	290.5	278.8	275.2	278.2	283.1	286.2	287.4
40°	272.7	269.1	262.3	253.7	252.5	254.9	259.8	261.7	262.3
42.5°	243.3	240.2	235.9	229.8	229.8	232.3	236.6	237.8	238.4
45°	215.1	213.3	211.5	206.5	207.7	210.8	213.3	215.1	215.1
47.5°	190.6	191.2	188.7	185.1	186.3	189.4	191.2	193.0	193.0
50°	171.6	169.8	167.3	163.7	165.5	167.9	170.4	171.6	172.2
52.5°	149.5	149.0	147.0	142.7	144.0	145.2	147.7	149.5	150.1
55°	133.6	131.8	129.3	124.4	124.4	125.7	126.9	128.1	129.3
57.5°	118.3	116.5	112.7	107.2	106.6	106.6	106.1	107.2	109.1
60°	103.0	102.3	96.8	91.9	90.1	88.3	85.8	86.4	88.9
62.5°	89.4	88.3	83.3	77.2	73.6	70.5	67.5	66.8	69.3
65°	77.2	76.0	70.5	64.3	60.1	54.6	49.7	49.7	51.5
67.5°	66.2	63.7	58.9	52.1	46.5	39.8	35.0	36.1	36.8
70°	55.1	53.3	47.8	41.1	34.3	27.6	24.6	25.1	25.1
72.5°	45.4	42.9	37.4	30.7	23.9	17.8	16.5	16.0	16.0
75°	35.5	33.1	27.6	20.8	14.7	10.4	9.2	9.2	9.2
77.5°	25.7	23.9	19.0	12.9	7.9	4.9	4.3	3.6	3.6
80°	17.8	16.0	11.7	6.8	3.1	1.8	1.8	1.8	1.8
82.5°	10.4	8.6	5.5	3.1	1.2	0.6	0.6	0.6	0.6
85°	4.9	3.6	2.5	1.2	0.6	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	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)