

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: P581648

Luminaire Tested: **HCC6S10D010MW-HM60525930-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581648
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: HCC6S10D010MW-HM60525930-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

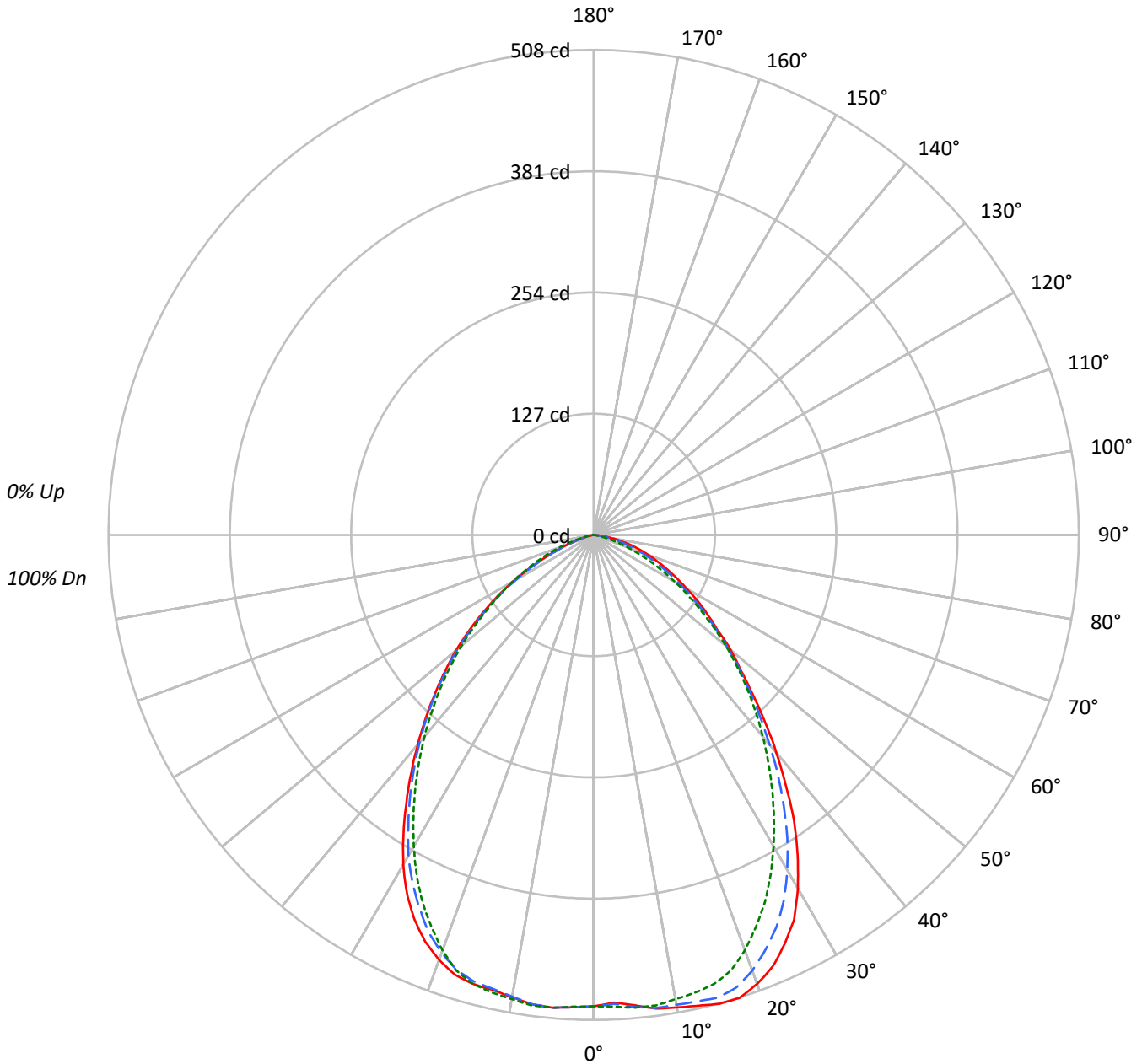
Lumens per Lamp: N/A
Luminaire Lumens: 996.8 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581648
CATALOG NUMBER: HCC6S10D010MW-HM60525930-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581648

CATALOG NUMBER: HCC6S10D010MW-HM60525930-61RWWC

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27070	27070	27070
5°	27212	27355	27355
10°	27972	27488	27371
15°	28859	27645	27645
20°	29198	27011	27629
25°	28604	25659	26868
30°	27067	23839	25238
35°	24494	21804	22881
40°	21304	19723	20496
45°	18203	17591	18203
50°	15974	15411	16034
55°	13935	12979	13495
60°	12324	10789	10635
65°	10935	8496	7277
70°	9649	6011	4392
75°	8218	3410	2139
80°	6125	1073	631
85°	3334	440	440



TEST NUMBER: P581648

CATALOG NUMBER: HCC6S10D010MW-HM60525930-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	4.8
10°-20°	138.6	13.9
20°-30°	202.4	20.3
30°-40°	212.2	21.3
40°-50°	178.8	17.9
50°-60°	125.3	12.6
60°-70°	67.2	6.7
70°-80°	22.5	2.3
80°-90°	2.5	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°	388.3	39.0
0°-40°	600.6	60.2
0°-60°	904.7	90.8
0°-90°	996.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	494	494	494	494	494	
5°	494	496	497	497	497	48
15°	508	502	487	484	487	143
25°	473	453	424	432	444	217
35°	366	347	326	335	342	227
45°	235	231	227	233	235	183
55°	146	141	136	138	141	131
65°	84	77	66	54	56	84
75°	39	30	16	10	10	41
85°	5	3	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: P581648

CATALOG NUMBER: HCC6S10D010MW-HM60525930-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	493.8	493.8	493.8	493.8	493.8	493.8	493.8	493.8	493.8
2.5°	490.4	490.4	491.7	493.1	494.5	494.5	495.1	495.7	495.1
5°	494.5	494.5	496.4	497.1	497.1	496.4	497.1	497.1	497.1
7.5°	500.5	499.1	499.8	498.4	497.1	496.4	495.7	495.7	495.7
10°	502.5	501.1	499.8	497.1	493.8	491.7	491.1	491.7	491.7
12.5°	505.1	503.7	500.5	495.1	491.1	487.8	487.1	488.3	488.3
15°	508.5	507.1	501.8	493.1	487.1	483.7	484.4	485.7	487.1
17.5°	508.5	505.8	497.1	485.7	478.4	475.0	477.7	481.0	483.0
20°	500.5	497.7	485.7	471.7	463.0	461.0	465.6	471.7	473.6
22.5°	489.7	484.4	470.3	453.6	444.2	444.2	450.9	458.2	461.0
25°	472.9	469.0	452.9	433.6	424.2	423.5	431.5	441.6	444.2
27.5°	454.3	449.0	431.5	411.5	401.4	402.1	410.8	420.8	423.5
30°	427.6	420.8	405.5	386.0	376.6	379.3	388.0	395.4	398.7
32.5°	397.4	391.3	377.3	359.3	351.3	353.9	361.2	368.0	370.6
35°	366.0	359.3	347.2	331.2	325.8	328.5	335.2	340.5	341.9
37.5°	330.5	325.8	317.1	304.4	300.4	303.7	309.0	312.4	313.8
40°	297.7	293.8	286.4	277.0	275.6	278.4	283.7	285.7	286.4
42.5°	265.6	262.3	257.5	250.9	250.9	253.6	258.2	259.6	260.2
45°	234.8	232.9	230.8	225.5	226.9	230.1	232.9	234.8	234.8
47.5°	208.1	208.7	206.0	202.1	203.4	206.7	208.7	210.8	210.8
50°	187.3	185.3	182.6	178.6	180.7	183.3	186.0	187.3	188.0
52.5°	163.2	162.6	160.5	155.9	157.2	158.6	161.2	163.2	163.9
55°	145.8	143.9	141.2	135.8	135.8	137.2	138.4	139.8	141.2
57.5°	129.2	127.1	123.0	117.0	116.4	116.4	115.7	117.0	119.1
60°	112.4	111.7	105.7	100.4	98.4	96.3	93.6	94.3	97.0
62.5°	97.7	96.3	91.0	84.3	80.3	77.0	73.6	72.9	75.6
65°	84.3	83.0	77.0	70.3	65.5	59.5	54.2	54.2	56.1
67.5°	72.2	69.6	64.2	56.8	50.8	43.5	38.1	39.5	40.2
70°	60.2	58.2	52.2	44.8	37.5	30.1	26.7	27.4	27.4
72.5°	49.5	46.9	40.9	33.5	26.0	19.4	18.1	17.4	17.4
75°	38.8	36.1	30.1	22.8	16.1	11.3	10.1	10.1	10.1
77.5°	28.1	26.0	20.7	14.0	8.7	5.3	4.6	4.0	4.0
80°	19.4	17.4	12.7	7.4	3.4	2.0	2.0	2.0	2.0
82.5°	11.3	9.4	6.0	3.4	1.4	0.7	0.7	0.7	0.7
85°	5.3	4.0	2.7	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	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)