

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: P581577

Luminaire Tested: **HCC6S10D010MW-HM60525830-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581577
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: HCC6S10D010MW-HM60525830-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

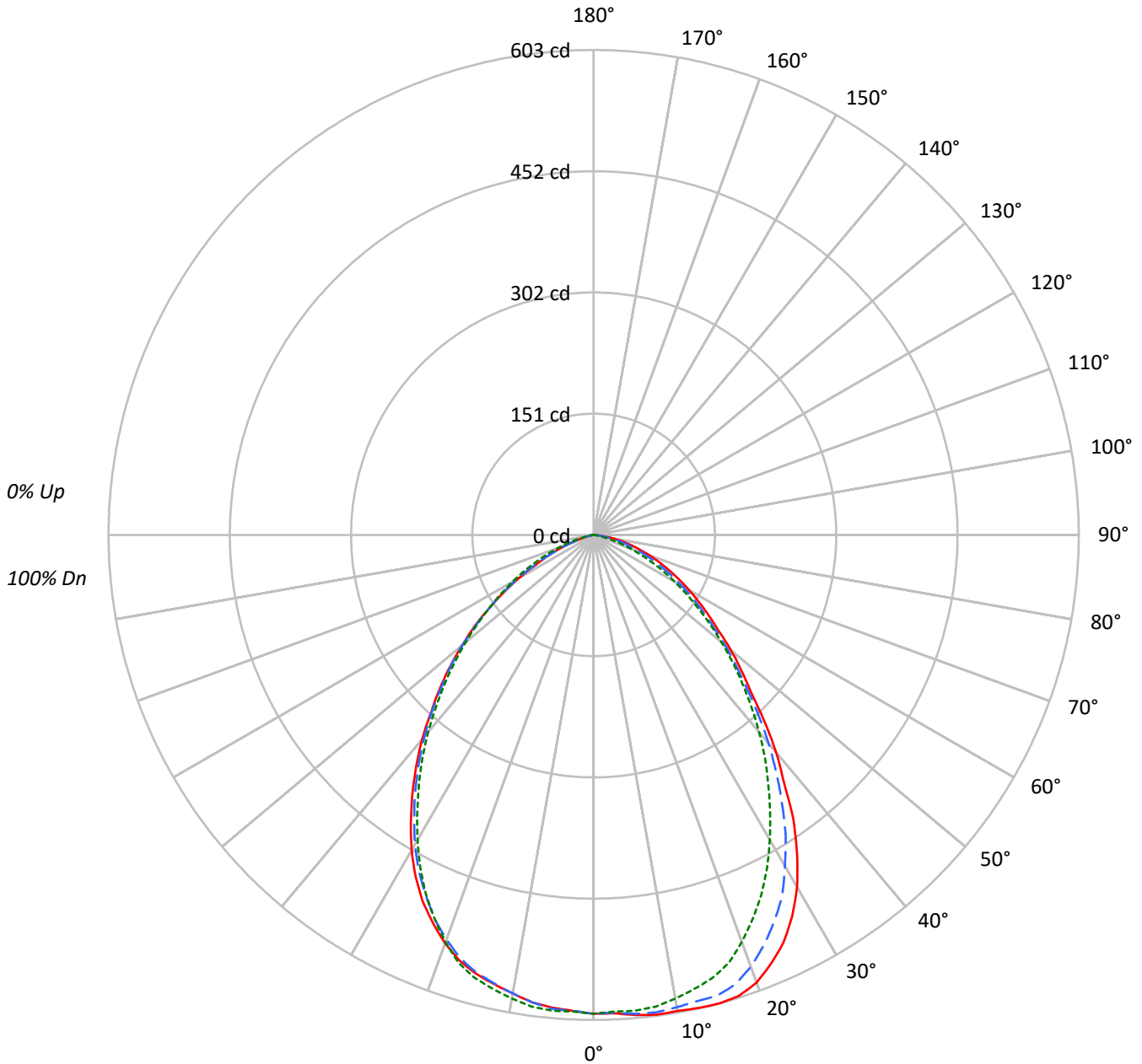
Lumens per Lamp: N/A
Luminaire Lumens: 1166.7 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P581577
CATALOG NUMBER: HCC6S10D010MW-HM60525830-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581577

CATALOG NUMBER: HCC6S10D010MW-HM60525830-61RWWH

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°	32640	32640	32640
5°	32979	32677	32467
10°	33450	32576	32231
15°	34234	32372	32066
20°	34554	31415	31509
25°	33800	29832	30401
30°	32011	27707	28650
35°	28984	25324	26274
40°	25240	22893	23737
45°	21413	20266	20994
50°	18967	17705	18166
55°	16707	15139	15072
60°	14966	12751	11721
65°	13361	10222	8406
70°	11765	7389	5257
75°	9934	4469	2965
80°	7640	1957	1200
85°	4403	503	503



TEST NUMBER: P581577
 CATALOG NUMBER: HCC6S10D010MW-HM60525830-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	4.8
10°-20°	162.4	13.9
20°-30°	234.8	20.1
30°-40°	247.1	21.2
40°-50°	207.7	17.8
50°-60°	145.8	12.5
60°-70°	80.2	6.9
70°-80°	28.5	2.4
80°-90°	3.7	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°	453.8	38.9
0°-40°	700.8	60.1
0°-60°	1054.3	90.4
0°-90°	1166.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1166.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	595	595	595	595	595	
5°	599	598	594	592	590	57
15°	603	593	570	563	565	170
25°	559	531	493	494	503	256
35°	433	408	378	386	393	268
45°	276	268	261	268	271	217
55°	175	165	158	158	158	157
65°	103	92	79	65	65	103
75°	47	38	21	14	14	50
85°	7	4	1	1	1	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581577

CATALOG NUMBER: HCC6S10D010MW-HM60525830-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4	595.4
2.5°	595.4	595.4	594.6	594.6	593.1	593.1	592.3	592.3	592.3
5°	599.3	599.3	597.8	595.4	593.8	591.6	591.6	590.8	590.0
7.5°	601.7	600.9	598.6	595.4	591.6	587.6	586.0	586.8	586.0
10°	600.9	599.3	596.2	590.0	585.2	579.8	579.0	578.2	579.0
12.5°	602.5	600.1	593.8	586.0	578.2	572.0	571.2	571.2	572.0
15°	603.2	600.9	593.1	581.4	570.4	564.2	563.4	564.2	565.0
17.5°	600.9	597.8	586.0	570.4	558.0	551.7	551.7	553.3	554.8
20°	592.3	587.6	571.2	552.5	538.5	533.7	535.3	538.5	540.1
22.5°	576.8	571.2	552.5	531.5	516.6	512.7	516.6	520.5	522.1
25°	558.8	552.5	530.7	508.8	493.2	488.6	494.0	500.2	502.6
27.5°	534.5	527.5	507.2	482.2	466.6	464.3	470.6	477.6	479.2
30°	505.7	497.9	475.2	451.9	437.7	437.1	444.1	450.3	452.6
32.5°	470.6	463.6	444.1	420.7	408.1	408.1	415.2	420.7	422.9
35°	433.1	425.3	408.1	388.6	378.4	379.2	386.2	390.2	392.6
37.5°	388.6	386.2	373.0	356.6	349.6	351.1	356.6	359.7	362.1
40°	352.7	346.5	337.9	324.7	319.9	321.5	327.0	330.1	331.7
42.5°	313.7	309.8	302.8	293.4	290.2	292.6	297.4	299.6	298.8
45°	276.2	275.5	268.4	263.0	261.4	264.5	267.7	270.0	270.8
47.5°	248.9	245.9	239.5	235.7	234.1	237.3	240.3	241.9	241.9
50°	222.4	219.3	213.0	209.2	207.6	210.7	213.0	214.6	213.0
52.5°	195.8	192.8	187.3	182.6	181.8	183.4	184.2	185.0	186.6
55°	174.8	171.7	165.4	160.0	158.4	159.2	158.4	158.4	157.7
57.5°	154.5	151.3	145.1	138.9	136.5	135.8	133.5	132.7	131.9
60°	136.5	132.7	126.4	119.4	116.3	113.2	109.2	106.9	106.9
62.5°	119.4	115.5	108.4	102.2	97.6	92.0	85.8	82.7	82.7
65°	103.0	99.8	92.0	85.0	78.8	71.8	64.8	63.2	64.8
67.5°	87.4	84.3	76.5	69.5	61.7	53.1	46.9	46.9	48.3
70°	73.4	70.2	63.2	54.7	46.1	37.5	32.8	32.8	32.8
72.5°	60.1	56.9	49.1	41.3	32.8	24.2	21.8	22.6	21.8
75°	46.9	44.5	37.5	28.9	21.1	14.8	14.0	13.2	14.0
77.5°	35.1	32.8	26.5	18.7	11.7	8.6	7.8	7.8	7.8
80°	24.2	21.8	17.2	11.0	6.2	3.8	3.8	3.8	3.8
82.5°	14.8	12.5	9.4	5.4	2.4	2.4	2.4	2.4	2.4
85°	7.0	5.4	3.8	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)