

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: P593120

Luminaire Tested: **HCC6W15D010MW-HM60525950-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593120
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: HCC6W15D010MW-HM60525950-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

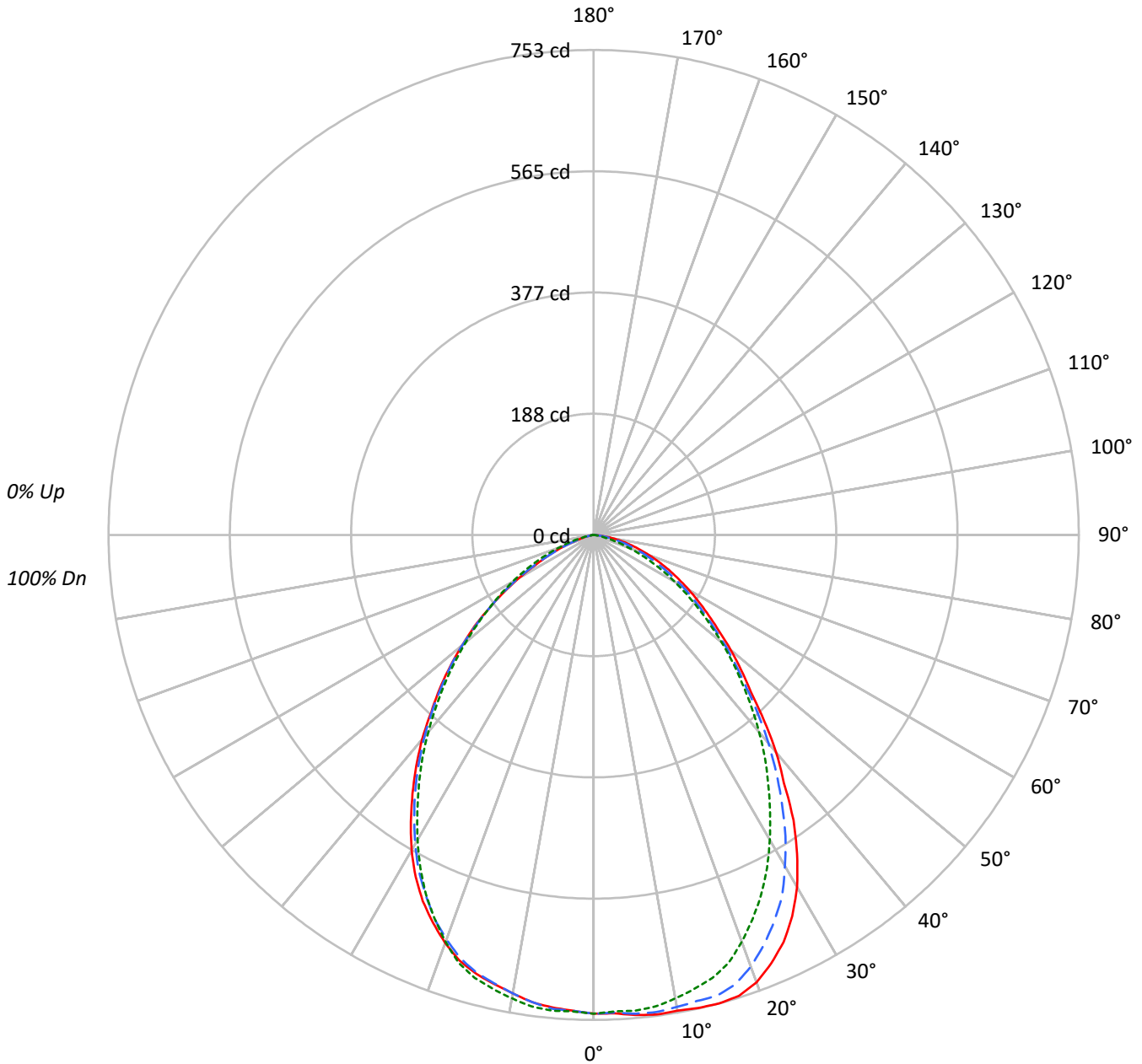
Lumens per Lamp: N/A
Luminaire Lumens: 1456.7 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593120
CATALOG NUMBER: HCC6W15D010MW-HM60525950-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P593120

CATALOG NUMBER: HCC6W15D010MW-HM60525950-61RWWH

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°	40753	40753	40753
5°	41179	40799	40529
10°	41761	40675	40241
15°	42741	40420	40034
20°	43141	39221	39332
25°	42196	37242	37950
30°	39962	34600	35771
35°	36185	31621	32799
40°	31516	28582	29627
45°	26739	25305	26212
50°	23675	22097	22677
55°	20864	18905	18809
60°	18694	15920	14637
65°	16681	12764	10481
70°	14682	9200	6572
75°	12391	5571	3728
80°	9534	2462	1547
85°	5472	629	629



TEST NUMBER: P593120
 CATALOG NUMBER: HCC6W15D010MW-HM60525950-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	4.8
10°-20°	202.8	13.9
20°-30°	293.2	20.1
30°-40°	308.5	21.2
40°-50°	259.3	17.8
50°-60°	182.0	12.5
60°-70°	100.1	6.9
70°-80°	35.6	2.4
80°-90°	4.7	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°	566.5	38.9
0°-40°	875.0	60.1
0°-60°	1316.3	90.4
0°-90°	1456.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1456.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	743	743	743	743	743	
5°	748	746	741	738	736	71
15°	753	740	712	704	705	213
25°	698	662	616	617	627	319
35°	541	510	472	482	490	335
45°	345	335	326	334	338	271
55°	218	207	198	198	197	196
65°	129	115	98	81	81	128
75°	58	47	26	18	18	63
85°	9	5	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P593120

CATALOG NUMBER: HCC6W15D010MW-HM60525950-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4	743.4
2.5°	743.4	743.4	742.4	742.4	740.5	740.5	739.5	739.5	739.5
5°	748.3	748.3	746.3	743.4	741.4	738.5	738.5	737.5	736.5
7.5°	751.1	750.2	747.3	743.4	738.5	733.7	731.7	732.6	731.7
10°	750.2	748.3	744.3	736.5	730.7	723.9	722.9	722.0	722.9
12.5°	752.2	749.2	741.4	731.7	722.0	714.1	713.1	713.1	714.1
15°	753.1	750.2	740.5	725.8	712.2	704.4	703.5	704.4	705.4
17.5°	750.2	746.3	731.7	712.2	696.7	688.8	688.8	690.8	692.7
20°	739.5	733.7	713.1	689.7	672.3	666.4	668.4	672.3	674.2
22.5°	720.0	713.1	689.7	663.5	645.0	640.1	645.0	649.9	651.8
25°	697.6	689.7	662.5	635.3	615.7	609.9	616.8	624.5	627.4
27.5°	667.4	658.6	633.3	602.1	582.6	579.6	587.5	596.2	598.3
30°	631.3	621.6	593.4	564.1	546.6	545.6	554.3	562.2	565.1
32.5°	587.5	578.7	554.3	525.2	509.5	509.5	518.4	525.2	528.1
35°	540.7	531.0	509.5	485.2	472.5	473.5	482.3	487.1	490.1
37.5°	485.2	482.3	465.7	445.3	436.5	438.5	445.3	449.1	452.1
40°	440.4	432.5	421.9	405.3	399.4	401.4	408.3	412.1	414.0
42.5°	391.7	386.8	378.1	366.4	362.4	365.4	371.3	374.1	373.2
45°	344.9	343.9	335.2	328.4	326.4	330.3	334.1	337.1	338.1
47.5°	310.8	306.9	299.1	294.2	292.3	296.2	300.1	302.0	302.0
50°	277.6	273.8	265.9	261.2	259.1	263.1	265.9	268.0	265.9
52.5°	244.6	240.6	233.8	228.0	227.0	228.9	230.0	230.9	232.9
55°	218.3	214.3	206.6	199.8	197.8	198.7	197.8	197.8	196.8
57.5°	193.0	189.0	181.3	173.4	170.5	169.6	166.6	165.6	164.7
60°	170.5	165.6	157.9	149.0	145.2	141.3	136.4	133.5	133.5
62.5°	149.0	144.1	135.4	127.7	121.8	115.0	107.1	103.3	103.3
65°	128.6	124.7	115.0	106.2	98.4	89.7	80.8	78.9	80.8
67.5°	109.1	105.2	95.5	86.7	77.0	66.3	58.5	58.5	60.4
70°	91.6	87.7	78.9	68.2	57.4	46.8	41.0	41.0	41.0
72.5°	75.0	71.2	61.4	51.6	41.0	30.2	27.2	28.3	27.2
75°	58.5	55.5	46.8	36.1	26.3	18.5	17.6	16.6	17.6
77.5°	43.8	41.0	33.1	23.4	14.6	10.7	9.8	9.8	9.8
80°	30.2	27.2	21.5	13.6	7.8	4.9	4.9	4.9	4.9
82.5°	18.5	15.5	11.7	6.8	3.0	3.0	3.0	3.0	3.0
85°	8.7	6.8	4.9	1.9	1.0	1.0	1.0	1.0	1.0
87.5°	1.9	1.9	1.0	1.0	0.0	1.0	1.0	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)