

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: P581709

Luminaire Tested: **HCC6W15D010MW-HM60525827-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010MW-HM60525827-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

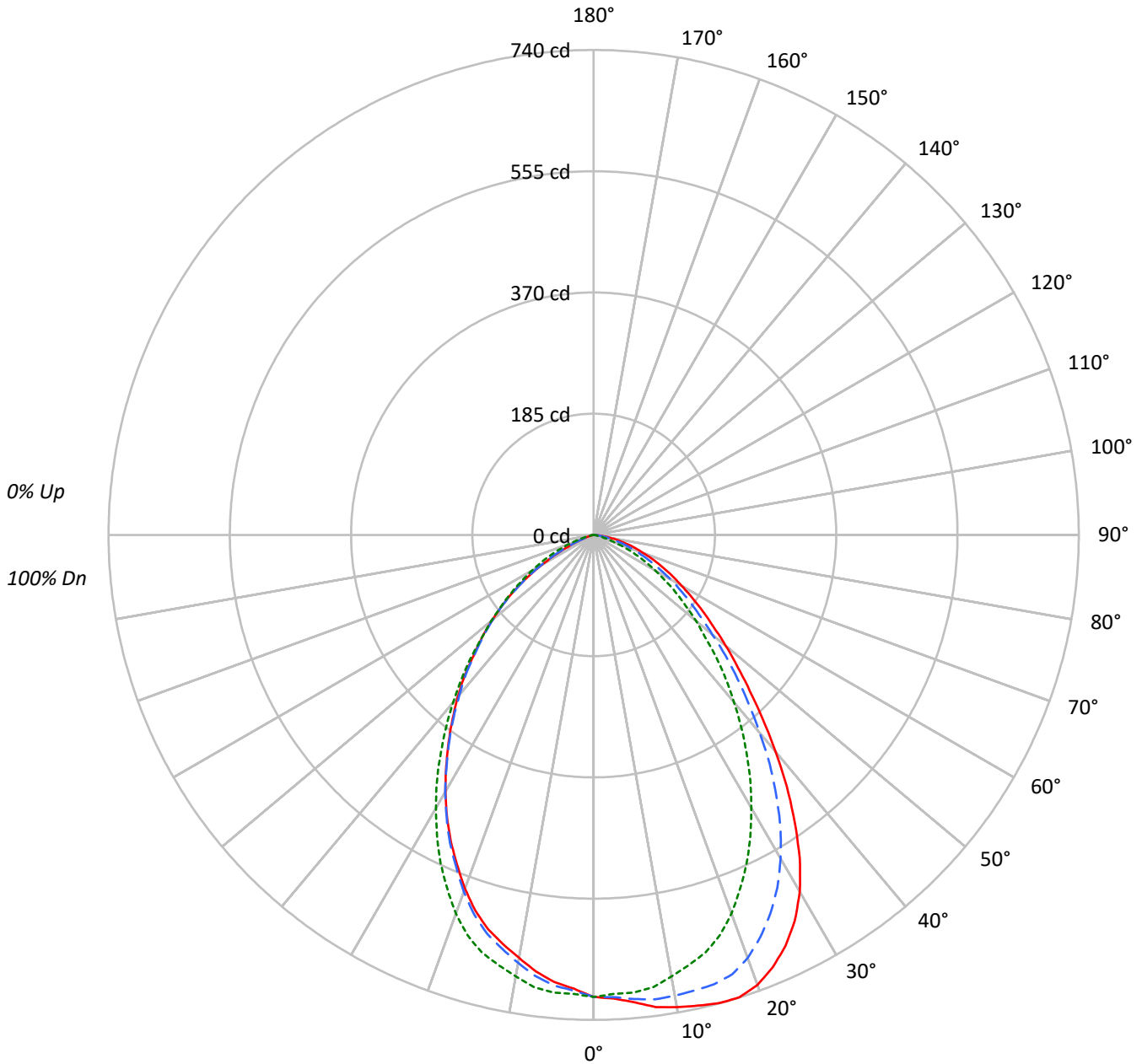
Lumens per Lamp: N/A
Luminaire Lumens: 1256.2 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581709
CATALOG NUMBER: HCC6W15D010MW-HM60525827-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581709

CATALOG NUMBER: HCC6W15D010MW-HM60525827-61WWBB

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	38643	38643	38643
5°	39390	38576	37701
10°	40731	38081	36478
15°	41975	37418	35341
20°	42628	35861	33492
25°	41857	33407	31181
30°	39791	30441	28618
35°	35764	27198	25812
40°	30865	23838	23057
45°	26134	20522	19987
50°	22413	17338	17159
55°	19431	14594	14031
60°	16961	11852	10010
65°	14917	9132	5539
70°	12887	6043	2693
75°	10908	2923	1059
80°	8461	1263	600
85°	4969	629	629



TEST NUMBER: P581709
 CATALOG NUMBER: HCC6W15D010MW-HM60525827-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	5.3
10°-20°	188.1	15.0
20°-30°	264.9	21.1
30°-40°	270.7	21.5
40°-50°	218.2	17.4
50°-60°	146.4	11.7
60°-70°	74.1	5.9
70°-80°	23.7	1.9
80°-90°	3.6	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°	519.5	41.4
0°-40°	790.2	62.9
0°-60°	1154.8	91.9
0°-90°	1256.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	705	705	705	705	705	
5°	716	711	701	690	685	69
15°	740	710	659	630	623	209
25°	692	638	552	519	516	317
35°	534	486	406	384	386	333
45°	337	310	265	256	258	262
55°	203	180	153	146	147	183
65°	115	95	70	47	43	115
75°	52	37	14	5	5	55
85°	8	4	1	1	1	11
90°	0	0	0	0	0	

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



TEST NUMBER: P581709

CATALOG NUMBER: HCC6W15D010MW-HM60525827-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	704.9	704.9	704.9	704.9	704.9	704.9	704.9	704.9	704.9
2.5°	707.9	706.9	705.9	703.9	701.0	698.0	696.0	694.1	693.0
5°	715.8	713.8	710.9	706.9	701.0	694.1	690.1	686.1	685.1
7.5°	726.7	722.8	714.8	705.9	696.0	686.1	679.2	675.2	672.1
10°	731.7	724.7	713.8	698.9	684.1	672.1	663.3	657.3	655.3
12.5°	735.7	727.8	711.9	692.0	672.1	656.4	646.4	641.5	639.5
15°	739.6	731.7	709.8	684.1	659.3	640.5	629.6	624.6	622.7
17.5°	739.6	728.7	702.9	670.2	640.5	617.7	606.8	601.8	600.9
20°	730.7	718.8	687.0	648.4	614.7	589.0	579.0	576.0	574.1
22.5°	713.8	700.0	664.3	620.6	584.0	559.2	548.3	546.3	544.3
25°	692.0	678.2	637.5	590.9	552.3	527.4	518.6	516.5	515.5
27.5°	664.3	649.4	606.8	559.2	517.6	493.7	485.8	485.8	484.9
30°	628.6	611.8	570.1	522.4	480.9	459.0	453.1	453.1	452.1
32.5°	585.0	568.1	530.4	484.9	445.1	422.3	417.5	419.4	418.4
35°	534.4	520.5	485.8	441.2	406.4	385.7	383.7	385.7	385.7
37.5°	483.9	470.9	441.2	402.5	369.8	350.9	350.9	353.9	353.0
40°	431.3	421.3	393.6	359.9	333.1	320.2	318.3	321.2	322.2
42.5°	381.7	373.8	350.0	322.2	298.4	285.6	288.5	290.4	291.5
45°	337.1	329.2	310.3	281.6	264.7	255.8	255.8	258.8	257.8
47.5°	297.5	291.5	272.6	244.9	230.1	226.1	228.0	230.1	230.1
50°	262.8	253.8	236.0	214.2	203.3	198.3	200.3	201.2	201.2
52.5°	230.1	224.0	206.2	186.4	176.5	173.5	173.5	174.4	174.4
55°	203.3	196.4	180.5	160.6	152.7	148.7	145.7	144.7	146.8
57.5°	177.5	171.5	156.6	137.8	128.9	125.0	118.9	117.0	118.9
60°	154.7	149.7	134.8	117.0	108.1	100.1	93.2	89.2	91.3
62.5°	134.8	128.9	114.1	99.2	89.2	80.4	69.3	63.4	66.4
65°	115.0	110.1	95.2	80.4	70.4	59.5	46.6	42.7	42.7
67.5°	97.2	92.2	78.3	65.5	53.6	40.6	28.7	27.8	28.7
70°	80.4	75.4	63.4	50.5	37.7	24.7	16.8	16.8	16.8
72.5°	66.4	60.5	49.6	36.7	23.8	12.9	9.0	9.9	9.9
75°	51.5	46.6	36.7	24.7	13.8	5.9	5.0	5.0	5.0
77.5°	38.7	34.7	25.8	15.9	6.9	1.9	1.9	1.9	1.9
80°	26.8	22.8	16.8	9.9	4.0	1.9	1.9	1.9	1.9
82.5°	15.9	13.8	9.9	5.0	1.9	1.0	1.0	1.0	1.0
85°	7.9	6.9	4.0	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)