

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: P581847

Luminaire Tested: **HCC6W20D010MW-HM60525827-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581847
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: HCC6W20D010MW-HM60525827-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

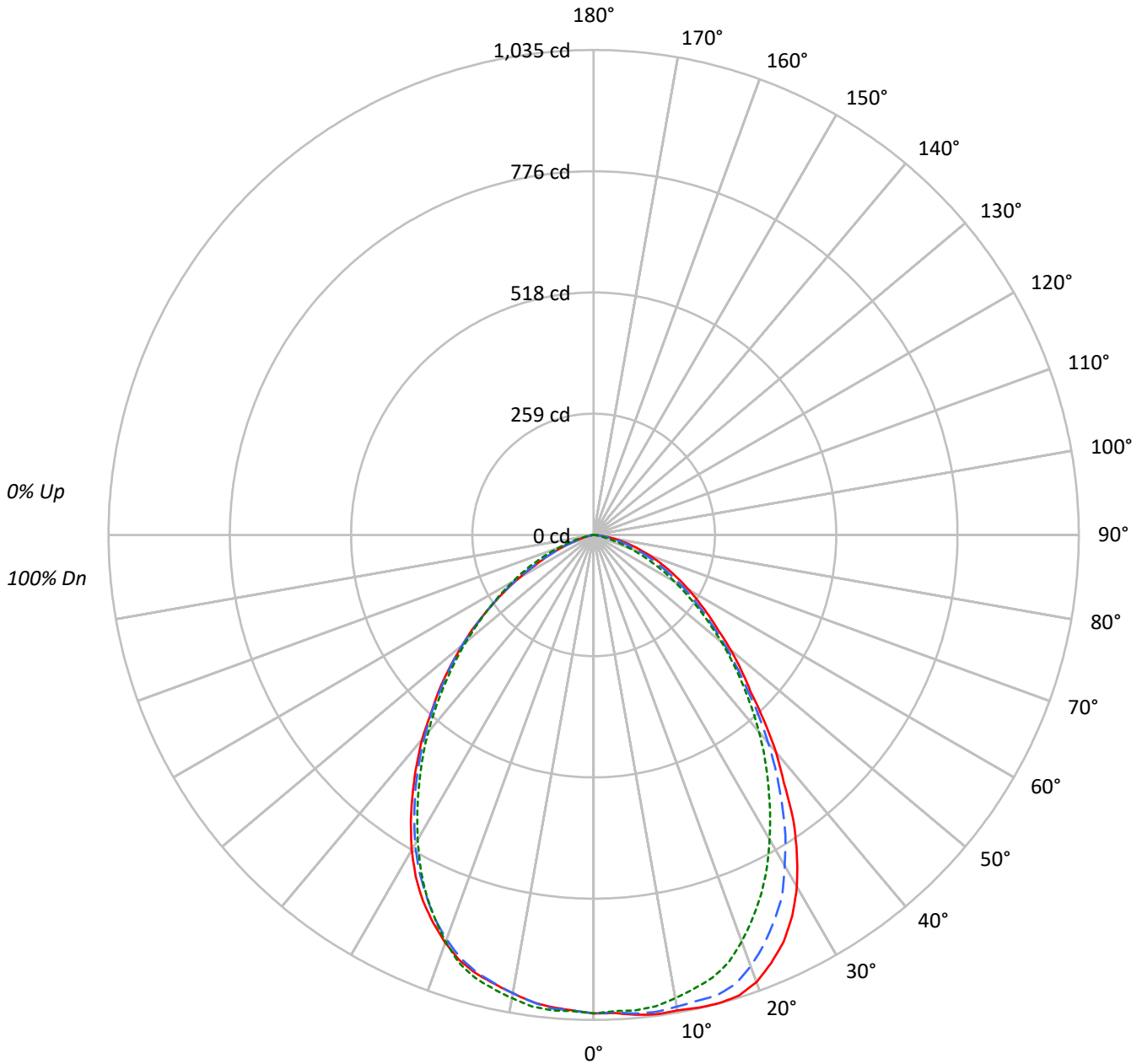
Lumens per Lamp: N/A
Luminaire Lumens: 2001.1 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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: P581847
CATALOG NUMBER: HCC6W20D010MW-HM60525827-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581847

CATALOG NUMBER: HCC6W20D010MW-HM60525827-61RWWH

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	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	93	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			
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	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	55988	55988	55988
5°	56570	56053	55684
10°	57369	55877	55287
15°	58723	55534	55000
20°	59260	53876	54033
25°	57965	51166	52140
30°	54901	47526	49140
35°	49710	43440	45053
40°	43295	39266	40712
45°	36732	34756	36004
50°	32536	30361	31163
55°	28654	25968	25834
60°	25678	21862	20097
65°	22908	17538	14411
70°	20164	12662	9008
75°	17008	7646	5105
80°	13101	3410	2115
85°	7548	881	881



TEST NUMBER: P581847

CATALOG NUMBER: HCC6W20D010MW-HM60525827-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	4.8
10°-20°	278.6	13.9
20°-30°	402.7	20.1
30°-40°	423.8	21.2
40°-50°	356.2	17.8
50°-60°	250.0	12.5
60°-70°	137.5	6.9
70°-80°	48.8	2.4
80°-90°	6.4	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°	778.3	38.9
0°-40°	1202.0	60.1
0°-60°	1808.3	90.4
0°-90°	2001.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1021	1021	1021	1021	1021	
5°	1028	1025	1019	1015	1012	98
15°	1035	1017	978	966	969	292
25°	958	910	846	847	862	438
35°	743	700	649	663	673	460
45°	474	460	448	459	464	372
55°	300	284	272	272	270	270
65°	177	158	135	111	111	176
75°	80	64	36	24	24	86
85°	12	7	1	1	1	17
90°	0	0	0	0	0	

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



TEST NUMBER: P581847

CATALOG NUMBER: HCC6W20D010MW-HM60525827-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3	1021.3
2.5°	1021.3	1021.3	1019.9	1019.9	1017.2	1017.2	1015.8	1015.8	1015.8
5°	1028.0	1028.0	1025.3	1021.3	1018.6	1014.6	1014.6	1013.2	1011.9
7.5°	1031.9	1030.6	1026.6	1021.3	1014.6	1007.8	1005.2	1006.6	1005.2
10°	1030.6	1028.0	1022.5	1011.9	1003.8	994.4	993.2	991.8	993.2
12.5°	1033.3	1029.2	1018.6	1005.2	991.8	981.1	979.7	979.7	981.1
15°	1034.7	1030.6	1017.2	997.2	978.5	967.7	966.3	967.7	969.1
17.5°	1030.6	1025.3	1005.2	978.5	957.0	946.3	946.3	949.0	951.6
20°	1015.8	1007.8	979.7	947.6	923.5	915.5	918.2	923.5	926.2
22.5°	989.1	979.7	947.6	911.5	886.0	879.3	886.0	892.8	895.4
25°	958.3	947.6	910.1	872.6	845.9	837.9	847.3	857.9	862.0
27.5°	916.8	904.8	870.0	827.2	800.4	796.4	807.0	819.2	821.8
30°	867.3	853.9	815.1	775.0	750.8	749.5	761.6	772.3	776.3
32.5°	807.0	795.0	761.6	721.4	700.0	700.0	712.1	721.4	725.5
35°	742.8	729.4	700.0	666.5	649.1	650.5	662.6	669.3	673.2
37.5°	666.5	662.6	639.8	611.7	599.6	602.3	611.7	617.0	621.0
40°	605.0	594.3	579.5	556.8	548.7	551.4	560.8	566.2	568.9
42.5°	538.1	531.4	519.4	503.3	498.0	501.9	510.0	513.9	512.7
45°	473.8	472.5	460.5	451.0	448.3	453.8	459.1	463.1	464.4
47.5°	426.9	421.6	410.9	404.3	401.5	406.9	412.3	414.9	414.9
50°	381.5	376.2	365.4	358.7	356.0	361.4	365.4	368.1	365.4
52.5°	335.9	330.6	321.2	313.2	311.9	314.5	315.9	317.2	319.8
55°	299.8	294.5	283.7	274.4	271.7	273.1	271.7	271.7	270.3
57.5°	265.0	259.7	248.9	238.3	234.2	232.9	228.9	227.5	226.1
60°	234.2	227.5	216.9	204.7	199.4	194.1	187.4	183.3	183.3
62.5°	204.7	198.0	186.0	175.4	167.3	157.9	147.2	141.9	141.9
65°	176.6	171.3	157.9	145.9	135.2	123.2	111.1	108.4	111.1
67.5°	149.9	144.6	131.2	119.1	105.7	91.0	80.3	80.3	82.9
70°	125.8	120.4	108.4	93.7	79.0	64.2	56.2	56.2	56.2
72.5°	103.1	97.7	84.3	70.9	56.2	41.5	37.5	38.9	37.5
75°	80.3	76.3	64.2	49.5	36.1	25.4	24.1	22.8	24.1
77.5°	60.3	56.2	45.5	32.2	20.1	14.7	13.4	13.4	13.4
80°	41.5	37.5	29.5	18.7	10.8	6.7	6.7	6.7	6.7
82.5°	25.4	21.4	16.1	9.4	4.0	4.0	4.0	4.0	4.0
85°	12.0	9.4	6.7	2.7	1.4	1.4	1.4	1.4	1.4
87.5°	2.7	2.7	1.4	1.4	0.0	1.4	1.4	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)