

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: P581971

Luminaire Tested: **HCC6W20D010MW-HM60525940-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581971
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: HCC6W20D010MW-HM60525940-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

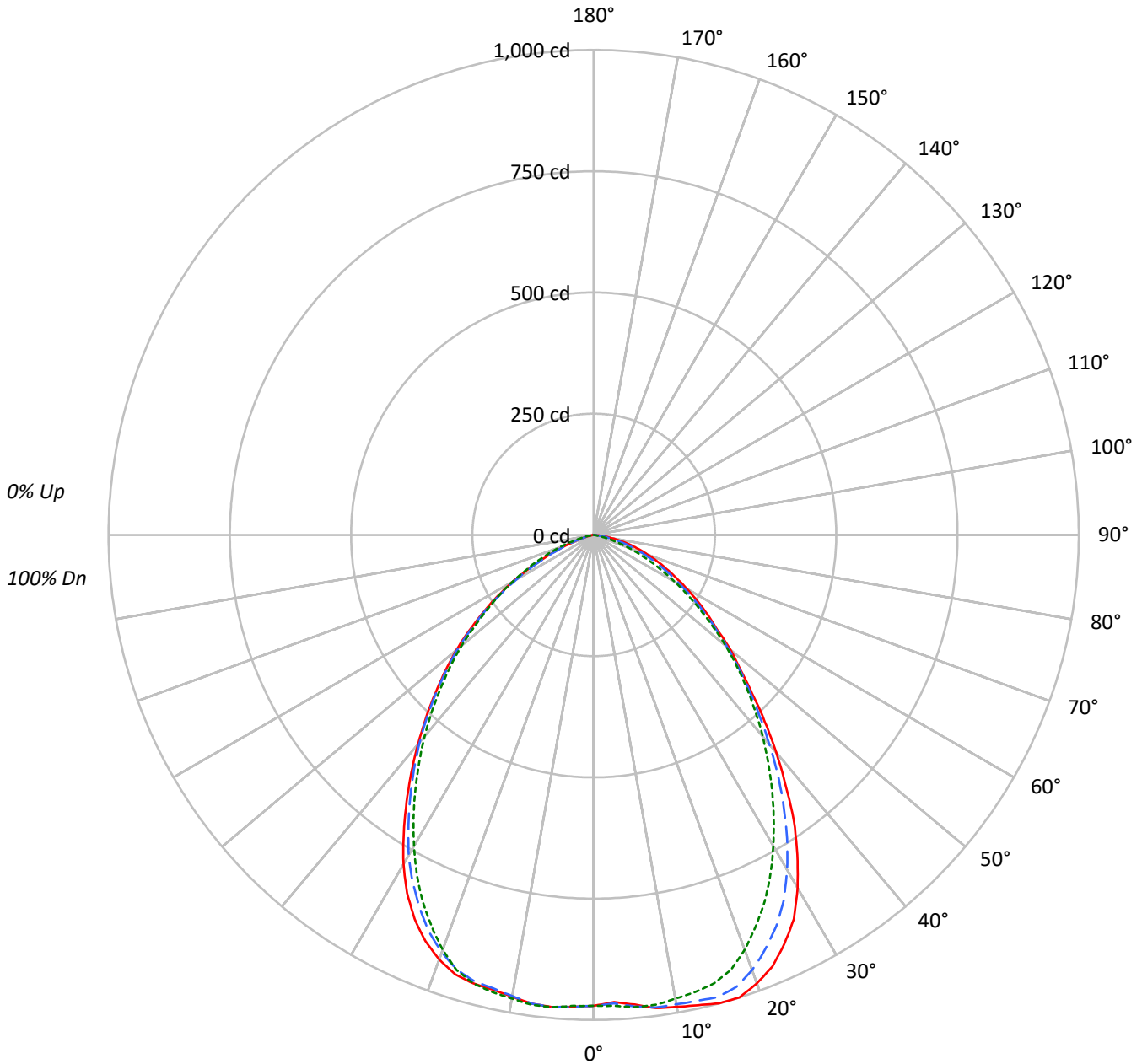
Lumens per Lamp: N/A
Luminaire Lumens: 1960.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): 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: P581971
CATALOG NUMBER: HCC6W20D010MW-HM60525940-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581971

CATALOG NUMBER: HCC6W20D010MW-HM60525940-61RWWC

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°	53225	53225	53225
5°	53494	53786	53786
10°	54992	54046	53823
15°	56743	54348	54348
20°	57405	53105	54331
25°	56259	50446	52830
30°	53211	46881	49628
35°	48158	42871	44986
40°	41893	38787	40290
45°	35794	34569	35794
50°	31410	30293	31530
55°	27411	25519	26532
60°	24231	21204	20919
65°	21507	16720	14334
70°	18978	11797	8639
75°	16161	6693	4173
80°	12060	2084	1263
85°	6604	881	881



TEST NUMBER: P581971
 CATALOG NUMBER: HCC6W20D010MW-HM60525940-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	4.8
10°-20°	272.5	13.9
20°-30°	397.9	20.3
30°-40°	417.3	21.3
40°-50°	351.6	17.9
50°-60°	246.3	12.6
60°-70°	132.1	6.7
70°-80°	44.3	2.3
80°-90°	4.9	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°	763.5	39.0
0°-40°	1180.8	60.2
0°-60°	1778.8	90.8
0°-90°	1960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1960.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	971	971	971	971	971	
5°	972	976	977	977	977	93
15°	1000	987	958	952	958	282
25°	930	890	834	848	873	426
35°	720	683	641	659	672	447
45°	462	454	446	458	462	360
55°	287	278	267	272	278	258
65°	166	151	129	106	110	166
75°	76	59	32	20	20	81
85°	10	5	1	1	1	14
90°	0	0	0	0	0	



TEST NUMBER: P581971

CATALOG NUMBER: HCC6W20D010MW-HM60525940-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9	970.9
2.5°	964.2	964.2	966.9	969.5	972.1	972.1	973.5	974.7	973.5
5°	972.1	972.1	976.1	977.4	977.4	976.1	977.4	977.4	977.4
7.5°	984.0	981.3	982.7	980.0	977.4	976.1	974.7	974.7	974.7
10°	987.9	985.3	982.7	977.4	970.9	966.9	965.5	966.9	966.9
12.5°	993.2	990.6	984.0	973.5	965.5	959.0	957.6	960.3	960.3
15°	999.8	997.2	986.6	969.5	957.6	951.0	952.4	955.0	957.6
17.5°	999.8	994.5	977.4	955.0	940.5	933.9	939.3	945.8	949.8
20°	984.0	978.7	955.0	927.4	910.3	906.4	915.6	927.4	931.3
22.5°	962.9	952.4	924.8	891.9	873.4	873.4	886.6	901.1	906.4
25°	930.1	922.1	890.5	852.5	834.0	832.6	848.5	868.2	873.4
27.5°	893.3	882.7	848.5	809.0	789.2	790.6	807.7	827.4	832.6
30°	840.6	827.4	797.2	759.0	740.6	745.9	763.0	777.5	784.0
32.5°	781.4	769.5	741.9	706.4	690.7	695.9	710.4	723.5	728.7
35°	719.6	706.4	682.7	651.1	640.6	645.9	659.1	669.6	672.2
37.5°	649.9	640.6	623.5	598.6	590.6	597.2	607.7	614.3	616.9
40°	585.4	577.5	563.0	544.6	542.0	547.2	557.8	561.7	563.0
42.5°	522.2	515.6	506.5	493.3	493.3	498.5	507.8	510.4	511.7
45°	461.7	457.7	453.9	443.3	445.9	452.5	457.7	461.7	461.7
47.5°	409.1	410.4	405.2	397.2	399.9	406.5	410.4	414.3	414.3
50°	368.3	364.4	359.2	351.2	355.2	360.4	365.7	368.3	369.7
52.5°	321.0	319.6	315.8	306.5	309.1	311.8	317.0	321.0	322.3
55°	286.8	282.8	277.6	267.0	267.0	269.7	272.3	275.0	277.6
57.5°	253.9	249.9	242.0	230.2	228.9	228.9	227.6	230.2	234.2
60°	221.0	219.7	207.8	197.4	193.4	189.4	184.1	185.5	190.8
62.5°	192.0	189.4	178.9	165.8	157.8	151.3	144.7	143.4	148.6
65°	165.8	163.2	151.3	138.1	128.9	117.0	106.5	106.5	110.5
67.5°	142.1	136.8	126.3	111.8	99.9	85.5	75.0	77.6	79.0
70°	118.4	114.4	102.6	88.1	73.6	59.1	52.6	53.9	53.9
72.5°	97.3	92.1	80.2	65.8	51.3	38.2	35.5	34.2	34.2
75°	76.3	71.0	59.1	44.8	31.6	22.3	19.7	19.7	19.7
77.5°	55.3	51.3	40.8	27.6	17.1	10.5	9.2	7.9	7.9
80°	38.2	34.2	25.0	14.5	6.6	4.0	4.0	4.0	4.0
82.5°	22.3	18.5	11.8	6.6	2.6	1.4	1.4	1.4	1.4
85°	10.5	7.9	5.2	2.6	1.4	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	1.4	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)