

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: P581873

Luminaire Tested: **HCC6W20D010MB-HM60525830-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010MB-HM60525830-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

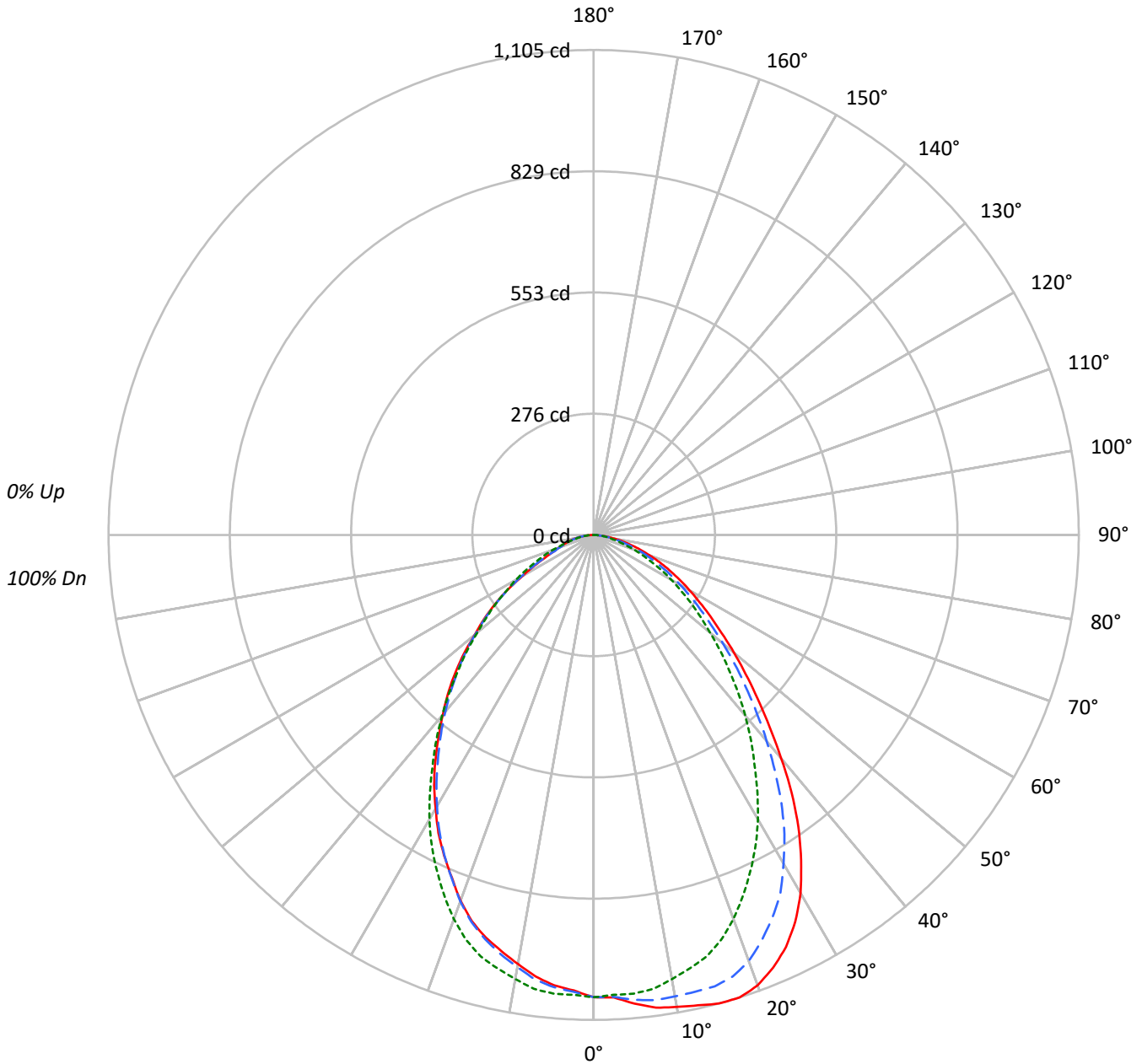
Lumens per Lamp: N/A
Luminaire Lumens: 2062.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581873
CATALOG NUMBER: HCC6W20D010MB-HM60525830-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581873

CATALOG NUMBER: HCC6W20D010MB-HM60525830-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	57748	57748	57748
5°	58992	57726	56702
10°	60798	57197	55276
15°	62725	56436	53905
20°	63717	54319	51717
25°	62671	51100	48747
30°	59661	47368	45551
35°	54408	42757	42081
40°	47575	38415	38207
45°	40942	33802	34585
50°	35589	29449	30072
55°	31081	25863	26130
60°	27618	22410	20514
65°	24646	18861	15683
70°	21686	15451	13143
75°	18597	12200	12497
80°	14996	10450	12281
85°	10001	9057	10819



TEST NUMBER: P581873

CATALOG NUMBER: HCC6W20D010MB-HM60525830-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	4.8
10°-20°	283.9	13.8
20°-30°	405.3	19.6
30°-40°	424.6	20.6
40°-50°	357.4	17.3
50°-60°	254.4	12.3
60°-70°	148.9	7.2
70°-80°	70.5	3.4
80°-90°	18.1	0.9
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°	789.0	38.2
0°-40°	1213.5	58.8
0°-60°	1825.4	88.5
0°-90°	2062.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2062.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1053	1053	1053	1053	1053	
5°	1072	1063	1049	1035	1030	103
15°	1105	1065	994	954	950	312
25°	1036	963	845	804	806	474
35°	813	745	639	617	629	505
45°	528	489	436	438	446	410
55°	325	298	271	271	273	293
65°	190	168	145	122	121	189
75°	88	73	58	56	59	94
85°	16	13	14	17	17	21
90°	0	0	0	0	0	

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



TEST NUMBER: P581873

CATALOG NUMBER: HCC6W20D010MB-HM60525830-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4	1053.4
2.5°	1054.8	1054.8	1053.4	1052.0	1049.0	1044.7	1041.9	1039.0	1039.0
5°	1072.0	1069.2	1063.4	1056.3	1049.0	1040.4	1034.7	1030.4	1030.4
7.5°	1086.4	1080.8	1069.2	1056.3	1043.3	1031.8	1021.7	1016.0	1014.5
10°	1092.2	1085.1	1067.7	1047.7	1027.5	1011.7	1000.1	993.0	993.0
12.5°	1098.0	1089.4	1066.4	1037.6	1011.7	990.1	978.6	972.8	971.3
15°	1105.2	1093.7	1064.9	1028.9	994.4	970.0	954.1	949.8	949.8
17.5°	1105.2	1090.9	1054.8	1010.2	967.0	939.7	925.3	921.0	922.5
20°	1092.2	1076.5	1033.3	978.6	931.1	902.3	887.9	885.0	886.5
22.5°	1067.7	1049.0	1000.1	941.2	889.3	859.2	846.1	846.1	844.8
25°	1036.1	1016.0	962.7	900.8	844.8	814.5	804.4	805.9	805.9
27.5°	994.4	974.3	921.0	854.8	798.7	768.4	761.3	764.1	765.6
30°	942.5	921.0	864.8	800.1	748.3	718.1	713.8	718.1	719.6
32.5°	879.2	863.5	808.7	742.6	693.6	667.7	666.3	670.6	676.4
35°	813.0	795.8	745.4	685.0	638.9	617.4	617.4	624.5	628.8
37.5°	741.1	723.9	677.8	627.5	588.6	568.4	571.3	578.5	580.0
40°	664.8	651.9	613.1	569.9	536.8	521.0	525.3	532.4	533.9
42.5°	592.9	581.3	549.7	510.9	486.4	474.8	480.6	489.2	492.2
45°	528.1	515.2	489.2	456.1	436.0	430.3	437.5	443.2	446.1
47.5°	469.2	457.6	436.0	405.8	391.5	388.5	395.8	398.6	401.5
50°	417.3	405.8	384.2	356.9	345.3	345.3	351.1	354.1	352.6
52.5°	367.0	356.9	336.7	313.7	306.5	306.5	310.8	312.3	315.2
55°	325.2	315.2	297.9	276.3	270.6	267.6	270.6	270.6	273.4
57.5°	286.4	277.7	261.9	241.8	234.5	231.7	230.2	228.9	231.7
60°	251.9	244.6	227.4	210.1	204.4	197.1	191.4	185.6	187.1
62.5°	220.1	213.0	197.1	179.9	174.1	164.1	156.8	149.7	152.5
65°	190.0	182.8	168.4	154.0	145.4	133.8	122.4	118.1	120.9
67.5°	162.6	156.8	142.4	128.0	120.9	108.0	96.4	96.4	97.9
70°	135.3	129.5	118.1	105.0	96.4	84.9	80.6	82.0	82.0
72.5°	110.8	106.5	94.9	83.5	74.8	67.6	67.6	69.1	70.5
75°	87.8	84.9	73.4	63.3	57.6	53.3	56.1	57.6	59.0
77.5°	67.6	63.3	54.7	47.5	43.2	44.6	47.5	48.9	50.4
80°	47.5	46.0	38.9	34.6	33.1	34.6	37.4	38.9	38.9
82.5°	30.3	28.8	24.5	23.0	23.0	24.5	27.3	27.3	27.3
85°	15.9	14.4	12.9	12.9	14.4	15.9	17.2	17.2	17.2
87.5°	5.8	4.3	5.8	5.8	7.3	7.3	7.3	7.3	7.3
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)