

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: P581882

Luminaire Tested: **HCC6W20D010MB-HM60525835-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581882
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: HCC6W20D010MB-HM60525835-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

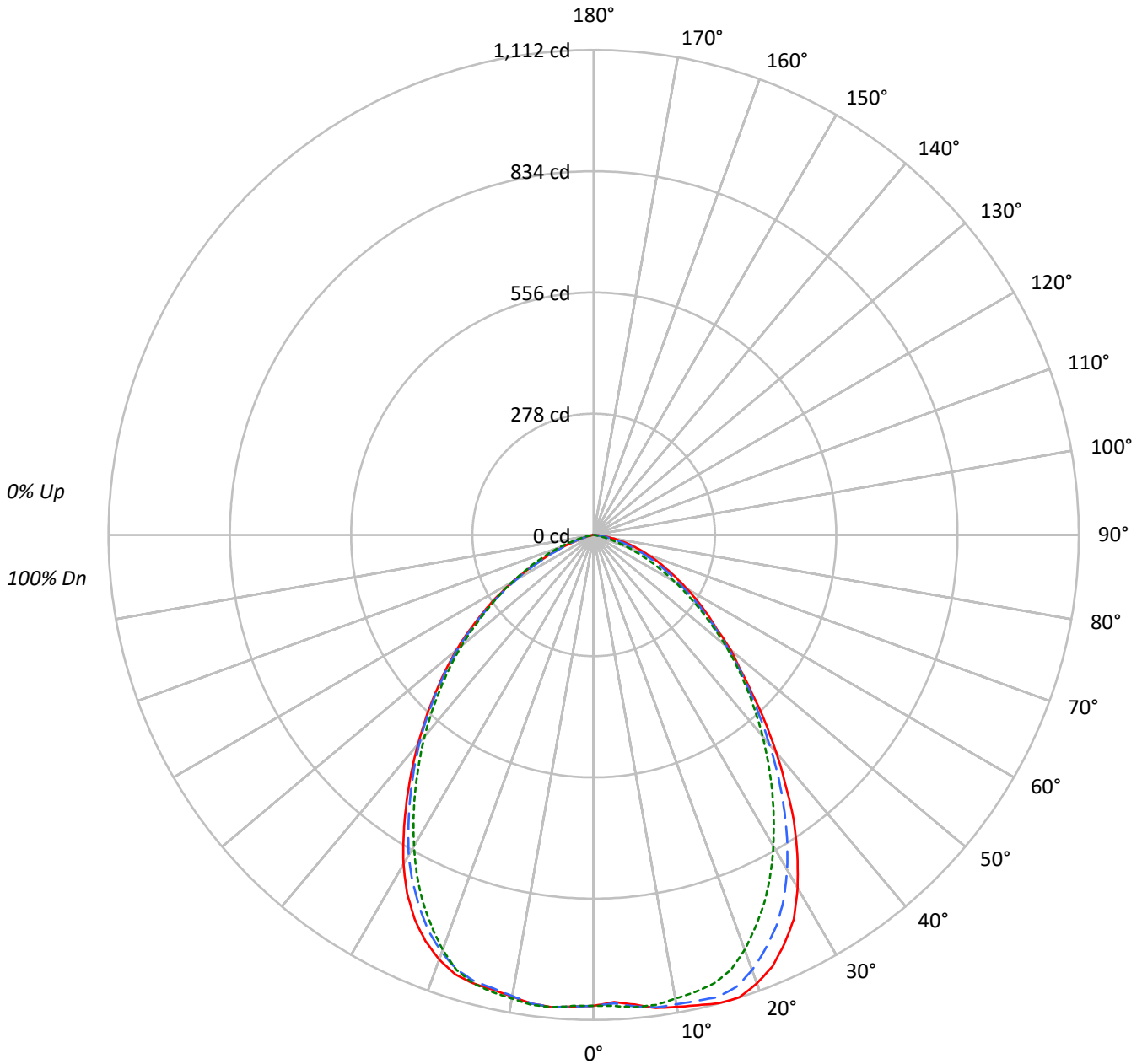
Lumens per Lamp: N/A
Luminaire Lumens: 2179.4 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (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: P581882
CATALOG NUMBER: HCC6W20D010MB-HM60525835-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581882

CATALOG NUMBER: HCC6W20D010MB-HM60525835-61RWWC

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°	59178	59178	59178
5°	59487	59812	59812
10°	61155	60091	59846
15°	63093	60437	60437
20°	63828	59050	60421
25°	62556	56096	58751
30°	59167	52135	55186
35°	53545	47669	50018
40°	46580	43124	44805
45°	39810	38446	39810
50°	34933	33688	35061
55°	30479	28386	29495
60°	26939	23573	23255
65°	23907	18588	15929
70°	21109	13127	9601
75°	17983	7434	4660
80°	13386	2336	1389
85°	7359	943	943



TEST NUMBER: P581882
 CATALOG NUMBER: HCC6W20D010MB-HM60525835-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	4.8
10°-20°	303.0	13.9
20°-30°	442.5	20.3
30°-40°	464.1	21.3
40°-50°	391.0	17.9
50°-60°	273.9	12.6
60°-70°	146.8	6.7
70°-80°	49.3	2.3
80°-90°	5.4	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°	849.0	39.0
0°-40°	1313.1	60.2
0°-60°	1978.0	90.8
0°-90°	2179.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2179.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1080	1080	1080	1080	1080	
5°	1081	1085	1087	1087	1087	104
15°	1112	1097	1065	1059	1065	314
25°	1034	990	927	943	971	474
35°	800	759	712	733	747	497
45°	514	505	496	509	514	400
55°	319	309	297	303	309	287
65°	184	168	143	118	123	184
75°	85	66	35	22	22	90
85°	12	6	2	2	2	16
90°	0	0	0	0	0	

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



TEST NUMBER: P581882

CATALOG NUMBER: HCC6W20D010MB-HM60525835-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5	1079.5
2.5°	1072.2	1072.2	1075.1	1078.0	1081.0	1081.0	1082.5	1083.9	1082.5
5°	1081.0	1081.0	1085.4	1086.9	1086.9	1085.4	1086.9	1086.9	1086.9
7.5°	1094.1	1091.2	1092.7	1089.7	1086.9	1085.4	1083.9	1083.9	1083.9
10°	1098.6	1095.6	1092.7	1086.9	1079.5	1075.1	1073.6	1075.1	1075.1
12.5°	1104.4	1101.5	1094.1	1082.5	1073.6	1066.4	1064.9	1067.9	1067.9
15°	1111.7	1108.8	1097.1	1078.0	1064.9	1057.5	1059.0	1062.0	1064.9
17.5°	1111.7	1105.8	1086.9	1062.0	1045.9	1038.6	1044.4	1051.8	1056.1
20°	1094.1	1088.2	1062.0	1031.3	1012.2	1007.8	1018.1	1031.3	1035.7
22.5°	1070.8	1059.0	1028.3	991.7	971.3	971.3	985.9	1002.0	1007.8
25°	1034.2	1025.4	990.2	947.9	927.4	925.9	943.4	965.4	971.3
27.5°	993.2	981.5	943.4	899.6	877.6	879.1	898.1	920.1	925.9
30°	934.7	920.1	886.5	844.0	823.6	829.4	848.4	864.5	871.8
32.5°	868.9	855.8	825.1	785.5	767.9	773.8	789.9	804.5	810.3
35°	800.1	785.5	759.2	724.1	712.3	718.2	732.8	744.6	747.4
37.5°	722.6	712.3	693.4	665.5	656.8	664.1	675.8	683.1	686.0
40°	650.9	642.2	626.1	605.6	602.6	608.5	620.2	624.6	626.1
42.5°	580.8	573.4	563.2	548.5	548.5	554.4	564.6	567.5	569.0
45°	513.5	509.1	504.6	493.0	495.9	503.2	509.1	513.5	513.5
47.5°	454.9	456.4	450.5	441.8	444.7	452.0	456.4	460.8	460.8
50°	409.6	405.2	399.4	390.5	395.0	400.9	406.6	409.6	411.1
52.5°	356.9	355.4	351.1	340.8	343.8	346.7	352.5	356.9	358.4
55°	318.9	314.5	308.6	297.0	297.0	299.9	302.7	305.7	308.6
57.5°	282.3	277.9	269.2	255.9	254.5	254.5	253.1	255.9	260.4
60°	245.7	244.3	231.1	219.5	215.0	210.6	204.7	206.2	212.1
62.5°	213.6	210.6	199.0	184.3	175.5	168.3	160.9	159.4	165.3
65°	184.3	181.4	168.3	153.6	143.3	130.2	118.5	118.5	122.8
67.5°	157.9	152.2	140.4	124.3	111.1	95.1	83.4	86.3	87.8
70°	131.7	127.2	114.1	98.0	81.9	65.8	58.5	59.9	59.9
72.5°	108.2	102.4	89.3	73.2	57.1	42.4	39.5	38.1	38.1
75°	84.9	79.0	65.8	49.7	35.1	24.8	22.0	22.0	22.0
77.5°	61.4	57.1	45.3	30.7	19.0	11.7	10.2	8.7	8.7
80°	42.4	38.1	27.8	16.1	7.4	4.4	4.4	4.4	4.4
82.5°	24.8	20.5	13.1	7.4	2.9	1.5	1.5	1.5	1.5
85°	11.7	8.7	5.9	2.9	1.5	1.5	1.5	1.5	1.5
87.5°	1.5	1.5	1.5	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)