

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: P593195

Luminaire Tested: **HCC6W25D010BZ-HM60525950-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593195  
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: HCC6W25D010BZ-HM60525950-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

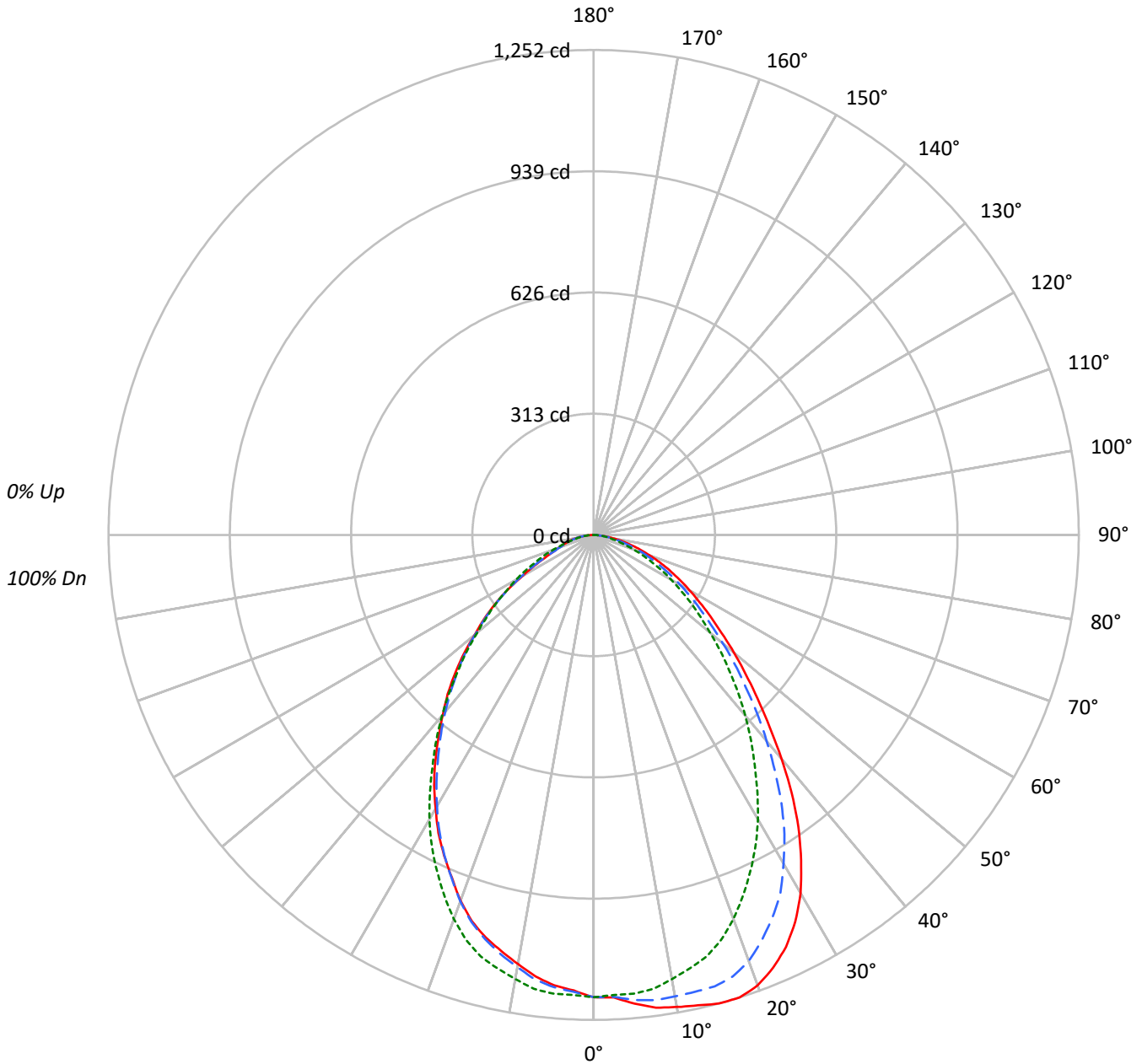
Lumens per Lamp: N/A  
Luminaire Lumens: 2337.4 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P593195  
CATALOG NUMBER: HCC6W25D010BZ-HM60525950-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593195

CATALOG NUMBER: HCC6W25D010BZ-HM60525950-61WWWB

**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°	65433	65433	65433
5°	66850	65414	64247
10°	68892	64806	62630
15°	71067	63945	61079
20°	72200	61547	58595
25°	71018	57899	55231
30°	67612	53673	51609
35°	61656	48452	47689
40°	53908	43524	43288
45°	46392	38306	39190
50°	40331	33372	34071
55°	35220	29304	29619
60°	31280	25393	23244
65°	27928	21351	17771
70°	24555	17519	14906
75°	21075	13831	14170
80°	16984	11839	13891
85°	11259	10253	12265



TEST NUMBER: P593195

CATALOG NUMBER: HCC6W25D010BZ-HM60525950-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.0	4.8
10°-20°	321.7	13.8
20°-30°	459.3	19.6
30°-40°	481.1	20.6
40°-50°	405.0	17.3
50°-60°	288.3	12.3
60°-70°	168.7	7.2
70°-80°	79.9	3.4
80°-90°	20.5	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°	894.0	38.2
0°-40°	1375.0	58.8
0°-60°	2068.3	88.5
0°-90°	2337.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2337.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1194	1194	1194	1194	1194	
5°	1215	1205	1189	1172	1168	117
15°	1252	1207	1127	1081	1076	353
25°	1174	1091	957	911	913	537
35°	921	845	724	700	713	572
45°	598	554	494	496	506	465
55°	368	338	307	307	310	332
65°	215	191	165	139	137	215
75°	100	83	65	64	67	107
85°	18	15	16	20	20	23
90°	0	0	0	0	0	

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



TEST NUMBER: P593195

CATALOG NUMBER: HCC6W25D010BZ-HM60525950-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1195.2	1195.2	1193.6	1192.0	1188.7	1183.8	1180.6	1177.3	1177.3
5°	1214.8	1211.5	1205.0	1196.9	1188.7	1178.9	1172.4	1167.5	1167.5
7.5°	1231.1	1224.6	1211.5	1196.9	1182.2	1169.2	1157.6	1151.1	1149.5
10°	1237.6	1229.4	1209.9	1187.1	1164.2	1146.2	1133.2	1125.1	1125.1
12.5°	1244.1	1234.3	1208.3	1175.7	1146.2	1121.8	1108.8	1102.3	1100.6
15°	1252.2	1239.2	1206.6	1165.9	1126.7	1099.0	1081.1	1076.2	1076.2
17.5°	1252.2	1236.0	1195.2	1144.6	1095.7	1064.8	1048.5	1043.6	1045.3
20°	1237.6	1219.7	1170.8	1108.8	1055.0	1022.3	1006.0	1002.8	1004.4
22.5°	1209.9	1188.7	1133.2	1066.4	1007.7	973.5	958.8	958.8	957.2
25°	1174.1	1151.1	1090.9	1020.7	957.2	923.0	911.4	913.1	913.1
27.5°	1126.7	1103.9	1043.6	968.6	904.9	870.7	862.6	865.8	867.5
30°	1068.1	1043.6	980.0	906.5	847.9	813.7	808.8	813.7	815.3
32.5°	996.3	978.3	916.3	841.4	785.9	756.6	754.9	759.8	766.3
35°	921.3	901.7	844.6	776.1	724.0	699.5	699.5	707.7	712.6
37.5°	839.8	820.2	768.0	711.0	666.8	644.0	647.3	655.4	657.1
40°	753.3	738.6	694.7	645.7	608.2	590.3	595.2	603.3	604.9
42.5°	671.7	658.7	622.9	578.9	551.1	538.0	544.6	554.5	557.7
45°	598.4	583.8	554.5	516.9	494.1	487.5	495.7	502.2	505.5
47.5°	531.5	518.5	494.1	459.9	443.6	440.3	448.4	451.7	455.0
50°	472.9	459.9	435.4	404.3	391.3	391.3	397.8	401.1	399.5
52.5°	415.7	404.3	381.5	355.5	347.3	347.3	352.2	353.8	357.1
55°	368.5	357.1	337.6	313.1	306.6	303.2	306.6	306.6	309.9
57.5°	324.5	314.8	296.7	273.9	265.8	262.5	260.9	259.2	262.5
60°	285.3	277.2	257.6	238.1	231.6	223.4	216.9	210.4	212.0
62.5°	249.5	241.3	223.4	203.9	197.3	185.9	177.7	169.5	172.8
65°	215.3	207.1	190.8	174.4	164.6	151.6	138.6	133.7	137.0
67.5°	184.3	177.7	161.4	145.1	137.0	122.3	109.3	109.3	110.9
70°	153.2	146.7	133.7	119.0	109.3	96.2	91.3	93.0	93.0
72.5°	125.6	120.7	107.6	94.6	84.8	76.7	76.7	78.3	79.9
75°	99.5	96.2	83.2	71.8	65.3	60.3	63.7	65.3	66.9
77.5°	76.7	71.8	62.0	53.8	48.9	50.5	53.8	55.4	57.0
80°	53.8	52.1	44.0	39.1	37.5	39.1	42.4	44.0	44.0
82.5°	34.2	32.6	27.7	26.1	26.1	27.7	30.9	30.9	30.9
85°	17.9	16.3	14.7	14.7	16.3	17.9	19.5	19.5	19.5
87.5°	6.5	4.9	6.5	6.5	8.1	8.1	8.1	8.1	8.1
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)