

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: P582105

Luminaire Tested: **HCC6W25D010BZ-HM60525935-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010BZ-HM60525935-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

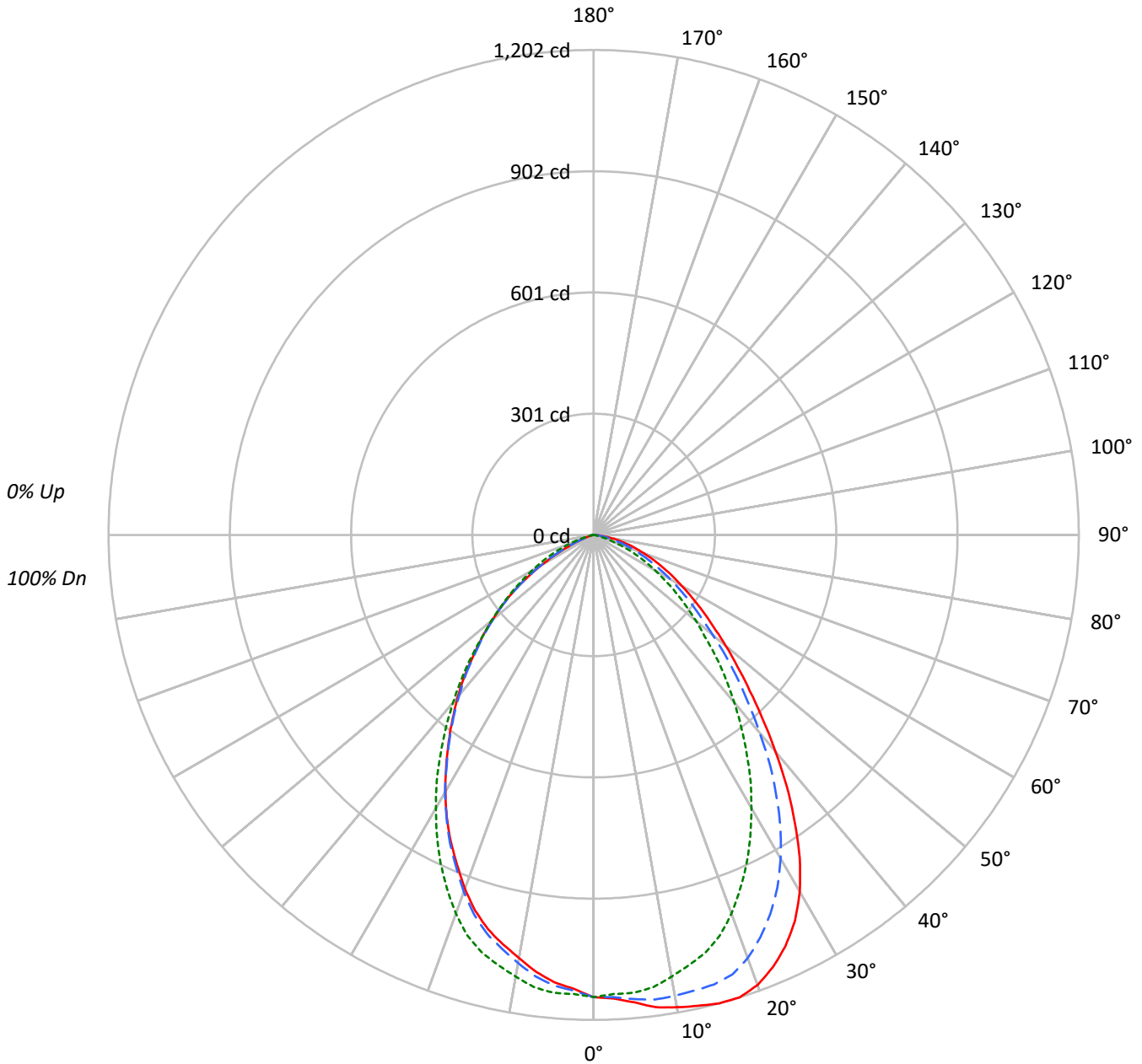
Lumens per Lamp: N/A  
Luminaire Lumens: 2041.2 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582105  
CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582105

CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61WWBB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	62791	62791	62791
5°	64010	62679	61259
10°	66176	61873	59273
15°	68207	60801	57418
20°	69259	58268	54412
25°	68012	54275	50676
30°	64649	49463	46501
35°	58109	44203	41934
40°	50151	38737	37463
45°	42462	33352	32476
50°	36408	28170	27888
55°	31569	23712	22785
60°	27564	19242	16249
65°	24231	14839	8989
70°	20901	9825	4392
75°	17750	4787	1694
80°	13733	2020	1042
85°	8114	1006	1006



TEST NUMBER: P582105

CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	5.3
10°-20°	305.7	15.0
20°-30°	430.4	21.1
30°-40°	439.8	21.5
40°-50°	354.6	17.4
50°-60°	237.8	11.7
60°-70°	120.4	5.9
70°-80°	38.5	1.9
80°-90°	5.9	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°	844.2	41.4
0°-40°	1284.0	62.9
0°-60°	1876.4	91.9
0°-90°	2041.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2041.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1145	1145	1145	1145	1145	
5°	1163	1155	1139	1121	1113	112
15°	1202	1153	1071	1023	1012	339
25°	1124	1036	897	842	838	515
35°	868	789	660	624	627	540
45°	548	504	430	416	419	426
55°	330	293	248	237	238	297
65°	187	155	114	76	69	187
75°	84	60	23	8	8	90
85°	13	6	2	2	2	17
90°	0	0	0	0	0	

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



TEST NUMBER: P582105

CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1145.4	1145.4	1145.4	1145.4	1145.4	1145.4	1145.4	1145.4	1145.4
2.5°	1150.3	1148.6	1147.0	1143.7	1139.0	1134.1	1130.8	1127.7	1126.1
5°	1163.2	1159.9	1155.0	1148.6	1139.0	1127.7	1121.2	1114.8	1113.2
7.5°	1180.8	1174.4	1161.5	1147.0	1130.8	1114.8	1103.5	1097.0	1092.2
10°	1188.8	1177.6	1159.9	1135.7	1111.5	1092.2	1077.7	1068.1	1064.8
12.5°	1195.4	1182.5	1156.6	1124.4	1092.2	1066.4	1050.4	1042.2	1039.1
15°	1201.8	1188.8	1153.4	1111.5	1071.3	1040.6	1022.9	1014.9	1011.7
17.5°	1201.8	1184.1	1142.1	1089.0	1040.6	1003.7	985.9	977.8	976.2
20°	1187.2	1167.9	1116.4	1053.5	998.8	956.9	940.8	936.0	932.7
22.5°	1159.9	1137.3	1079.3	1008.4	948.9	908.6	890.9	887.6	884.4
25°	1124.4	1101.9	1035.9	960.2	897.3	857.1	842.5	839.3	837.8
27.5°	1079.3	1055.2	985.9	908.6	840.9	802.3	789.4	789.4	787.8
30°	1021.3	994.0	926.3	849.0	781.4	745.9	736.3	736.3	734.6
32.5°	950.4	923.1	861.8	787.8	723.4	686.3	678.2	681.4	679.9
35°	868.3	845.8	789.4	716.8	660.5	626.6	623.5	626.6	626.6
37.5°	786.1	765.2	716.8	654.1	600.9	570.2	570.2	575.1	573.5
40°	700.8	684.6	639.5	584.8	541.3	520.4	517.1	522.0	523.5
42.5°	620.2	607.3	568.6	523.5	484.9	464.0	468.7	472.0	473.6
45°	547.7	534.8	504.2	457.5	430.2	415.6	415.6	420.5	418.9
47.5°	483.3	473.6	443.1	398.0	373.8	367.3	370.5	373.8	373.8
50°	426.9	412.4	383.4	348.0	330.3	322.1	325.4	327.0	327.0
52.5°	373.8	364.1	335.1	302.9	286.8	281.9	281.9	283.6	283.6
55°	330.3	319.0	293.2	261.0	248.1	241.7	236.8	235.2	238.4
57.5°	288.3	278.7	254.5	223.9	209.4	203.0	193.3	190.1	193.3
60°	251.4	243.2	219.1	190.1	175.5	162.8	151.5	145.0	148.2
62.5°	219.1	209.4	185.3	161.1	145.0	130.4	112.8	103.1	107.9
65°	186.8	178.8	154.6	130.4	114.4	96.6	75.7	69.3	69.3
67.5°	157.9	149.9	127.3	106.4	87.0	66.0	46.7	45.1	46.7
70°	130.4	122.4	103.1	82.2	61.3	40.2	27.4	27.4	27.4
72.5°	107.9	98.2	80.6	59.6	38.7	20.9	14.5	16.2	16.2
75°	83.8	75.7	59.6	40.2	22.6	9.6	8.0	8.0	8.0
77.5°	62.8	56.4	41.9	25.8	11.3	3.3	3.3	3.3	3.3
80°	43.5	37.1	27.4	16.2	6.4	3.3	3.3	3.3	3.3
82.5°	25.8	22.6	16.2	8.0	3.3	1.6	1.6	1.6	1.6
85°	12.9	11.3	6.4	3.3	1.6	1.6	1.6	1.6	1.6
87.5°	3.3	3.3	1.6	1.6	0.0	1.6	1.6	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)