

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: P582099

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010BZ-HM60525935-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

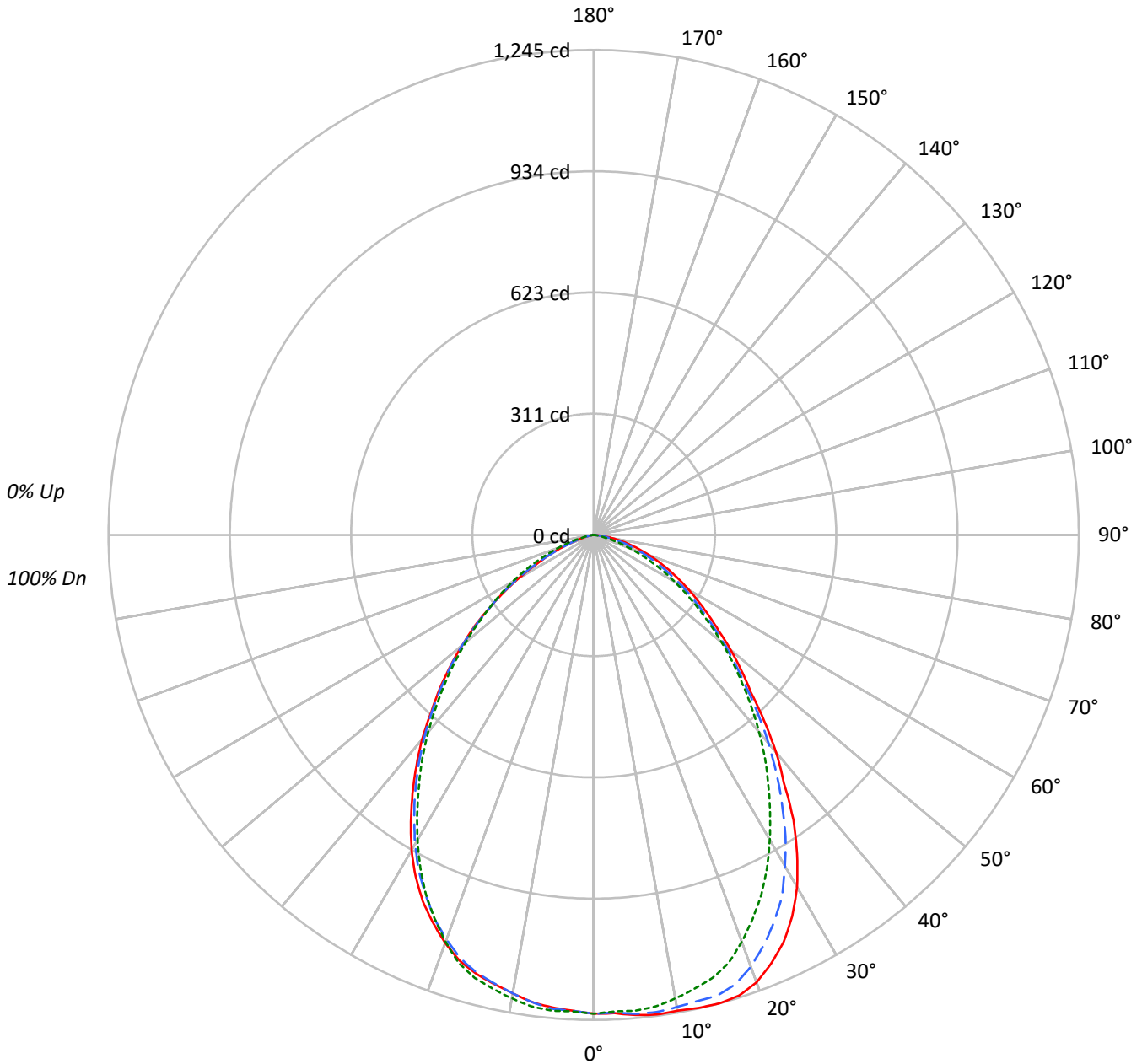
Lumens per Lamp: N/A
Luminaire Lumens: 2408.4 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582099
CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582099

CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61RWWH

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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
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	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	67379	67379	67379
5°	68083	67461	67015
10°	69042	67250	66532
15°	70670	66834	66192
20°	71330	64843	65036
25°	69766	61582	62750
30°	66080	57205	59148
35°	59829	52280	54228
40°	52105	47267	48992
45°	44206	41842	43338
50°	39154	36545	37508
55°	34493	31253	31100
60°	30908	26325	24198
65°	27578	21092	17343
70°	24267	15243	10851
75°	20461	9214	6121
80°	15785	4072	2526
85°	9120	1006	1006



TEST NUMBER: P582099
 CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	4.8
10°-20°	335.3	13.9
20°-30°	484.7	20.1
30°-40°	510.0	21.2
40°-50°	428.8	17.8
50°-60°	300.9	12.5
60°-70°	165.5	6.9
70°-80°	58.8	2.4
80°-90°	7.7	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°	936.7	38.9
0°-40°	1446.7	60.1
0°-60°	2176.4	90.4
0°-90°	2408.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1229	1229	1229	1229	1229	
5°	1237	1234	1226	1221	1218	118
15°	1245	1224	1178	1163	1166	351
25°	1153	1095	1018	1020	1037	528
35°	894	842	781	797	810	554
45°	570	554	540	553	559	447
55°	361	342	327	327	325	325
65°	213	190	163	134	134	212
75°	97	77	44	29	29	104
85°	14	8	2	2	2	20
90°	0	0	0	0	0	

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



TEST NUMBER: P582099

CATALOG NUMBER: HCC6W25D010BZ-HM60525935-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1229.1	1229.1	1227.4	1227.4	1224.3	1224.3	1222.7	1222.7	1222.7
5°	1237.2	1237.2	1234.0	1229.1	1225.9	1221.0	1221.0	1219.4	1217.8
7.5°	1242.0	1240.3	1235.6	1229.1	1221.0	1213.0	1209.8	1211.4	1209.8
10°	1240.3	1237.2	1230.7	1217.8	1208.1	1196.9	1195.2	1193.7	1195.2
12.5°	1243.6	1238.7	1225.9	1209.8	1193.7	1180.8	1179.2	1179.2	1180.8
15°	1245.2	1240.3	1224.3	1200.1	1177.6	1164.7	1163.0	1164.7	1166.3
17.5°	1240.3	1234.0	1209.8	1177.6	1151.8	1138.9	1138.9	1142.1	1145.4
20°	1222.7	1213.0	1179.2	1140.5	1111.5	1101.9	1105.0	1111.5	1114.8
22.5°	1190.5	1179.2	1140.5	1097.0	1066.4	1058.4	1066.4	1074.4	1077.7
25°	1153.4	1140.5	1095.4	1050.3	1018.1	1008.4	1019.7	1032.6	1037.4
27.5°	1103.5	1089.0	1047.1	995.5	963.3	958.4	971.3	985.9	989.1
30°	1043.9	1027.7	981.0	932.7	903.7	902.2	916.6	929.5	934.4
32.5°	971.3	956.9	916.6	868.3	842.5	842.5	857.1	868.3	873.1
35°	894.0	878.0	842.5	802.2	781.2	782.9	797.4	805.4	810.3
37.5°	802.2	797.4	770.0	736.1	721.7	724.9	736.1	742.7	747.4
40°	728.1	715.2	697.5	670.1	660.5	663.7	675.0	681.4	684.6
42.5°	647.6	639.5	625.0	605.7	599.3	604.1	613.7	618.6	617.0
45°	570.2	568.6	554.2	542.9	539.7	546.1	552.6	557.3	559.0
47.5°	513.9	507.5	494.6	486.5	483.3	489.7	496.2	499.3	499.3
50°	459.1	452.7	439.8	431.7	428.5	434.9	439.8	442.9	439.8
52.5°	404.3	398.0	386.7	376.9	375.4	378.5	380.2	381.8	385.0
55°	360.9	354.3	341.6	330.3	327.0	328.7	327.0	327.0	325.4
57.5°	319.0	312.5	299.6	286.7	281.9	280.3	275.4	273.9	272.3
60°	281.9	273.9	261.0	246.5	240.1	233.6	225.5	220.7	220.7
62.5°	246.5	238.4	223.9	211.0	201.4	190.1	177.2	170.8	170.8
65°	212.6	206.2	190.1	175.5	162.6	148.2	133.7	130.4	133.7
67.5°	180.4	173.9	157.9	143.3	127.3	109.5	96.6	96.6	99.9
70°	151.4	145.0	130.4	112.8	95.1	77.3	67.7	67.7	67.7
72.5°	124.0	117.7	101.5	85.3	67.7	50.0	45.1	46.7	45.1
75°	96.6	91.8	77.3	59.6	43.5	30.6	28.9	27.4	28.9
77.5°	72.5	67.7	54.8	38.7	24.2	17.7	16.2	16.2	16.2
80°	50.0	45.1	35.5	22.6	12.9	8.0	8.0	8.0	8.0
82.5°	30.6	25.8	19.3	11.3	4.9	4.9	4.9	4.9	4.9
85°	14.5	11.3	8.0	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)