

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: P582232

Luminaire Tested: **HCC6W30D010MW-HM63040930-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W30D010MW-HM63040930-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

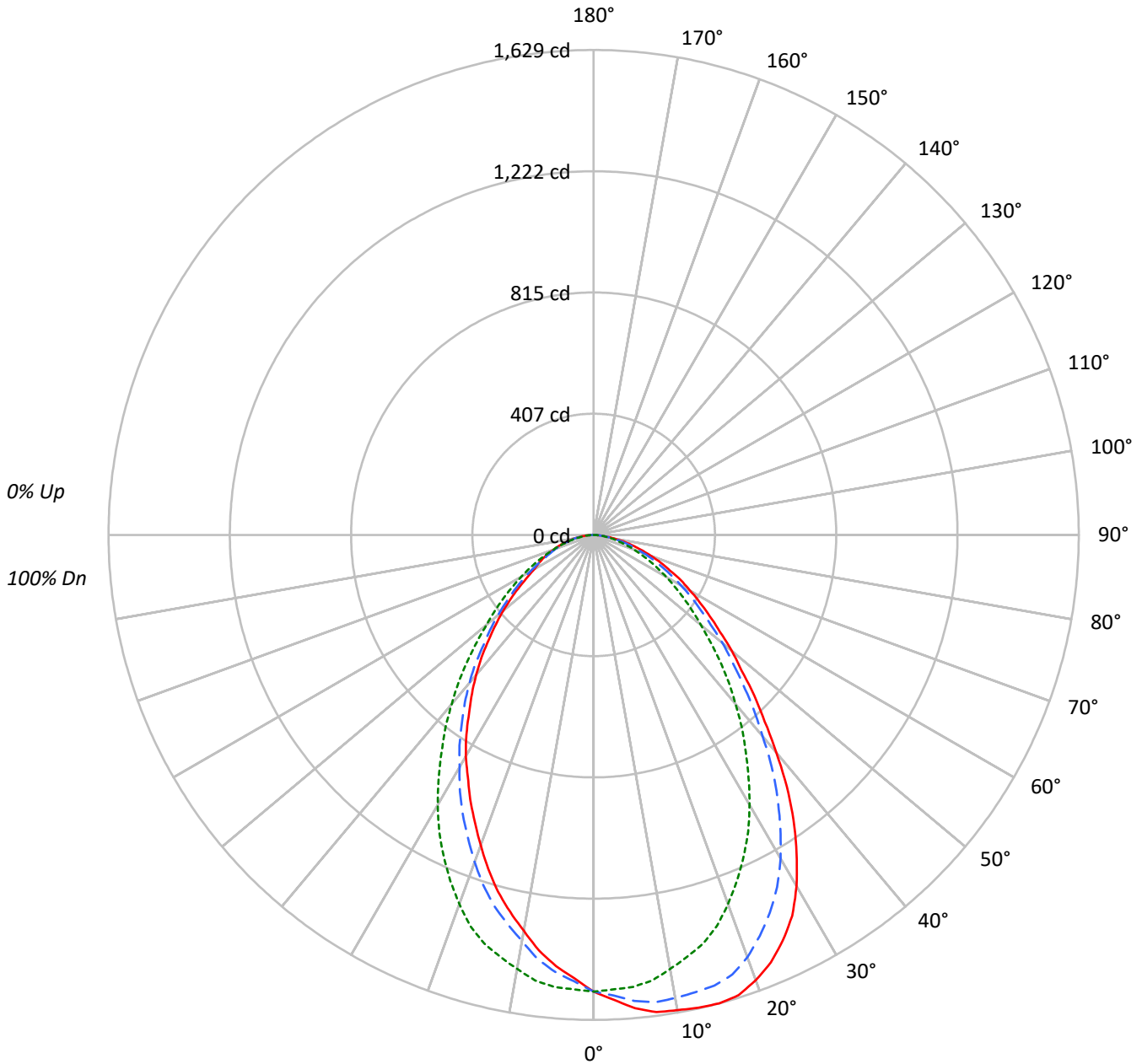
Lumens per Lamp: N/A  
Luminaire Lumens: 2857.5 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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: P582232  
CATALOG NUMBER: HCC6W30D010MW-HM63040930-61WWW

### Luminous Intensity Polar Plot





TEST NUMBER: P582232

CATALOG NUMBER: HCC6W30D010MW-HM63040930-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	84094	84094	84094
5°	87827	83849	79991
10°	90218	82402	75160
15°	92447	80619	70420
20°	92863	76966	64680
25°	90913	72059	59320
30°	86254	66263	54369
35°	78347	59548	48780
40°	68256	53042	43882
45°	59060	46423	38578
50°	51597	39973	33807
55°	45580	35124	29017
60°	40973	30787	25119
65°	36697	26773	24374
70°	32762	22824	22824
75°	28425	19232	21435
80°	22825	16290	19542
85°	15536	14278	16920



TEST NUMBER: P582232  
 CATALOG NUMBER: HCC6W30D010MW-HM63040930-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	5.0
10°-20°	400.8	14.0
20°-30°	558.5	19.5
30°-40°	575.5	20.1
40°-50°	476.9	16.7
50°-60°	342.8	12.0
60°-70°	218.3	7.6
70°-80°	112.1	3.9
80°-90°	28.5	1.0
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°	1103.5	38.6
0°-40°	1678.9	58.8
0°-60°	2498.6	87.4
0°-90°	2857.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2857.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1534	1534	1534	1534	1534	
5°	1596	1571	1524	1474	1454	153
15°	1629	1567	1420	1290	1241	459
25°	1503	1400	1191	1038	981	689
35°	1171	1076	890	772	729	727
45°	762	708	599	522	498	590
55°	477	438	368	326	304	430
65°	283	252	206	180	188	283
75°	134	116	91	95	101	143
85°	25	23	23	25	27	32
90°	0	0	0	0	0	

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



TEST NUMBER: P582232

CATALOG NUMBER: HCC6W30D010MW-HM63040930-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1534.0	1534.0	1534.0	1534.0	1534.0	1534.0	1534.0	1534.0	1534.0
2.5°	1562.9	1556.8	1548.4	1540.2	1527.9	1513.4	1501.0	1496.8	1490.6
5°	1596.0	1587.7	1571.1	1550.6	1523.7	1496.8	1474.1	1459.7	1453.6
7.5°	1616.6	1606.2	1583.5	1548.4	1509.2	1470.0	1437.0	1416.3	1408.0
10°	1620.7	1610.4	1579.5	1531.9	1480.3	1426.7	1385.3	1360.6	1350.2
12.5°	1626.9	1612.5	1573.3	1517.5	1451.4	1389.5	1337.9	1306.9	1296.6
15°	1628.9	1612.5	1567.1	1499.0	1420.5	1346.2	1290.4	1253.2	1240.8
17.5°	1620.7	1602.2	1548.4	1465.9	1377.1	1298.6	1232.6	1193.4	1176.9
20°	1591.8	1571.1	1509.2	1416.3	1319.3	1236.7	1168.5	1127.3	1108.7
22.5°	1554.6	1527.9	1457.6	1358.6	1257.4	1170.7	1102.6	1061.2	1042.6
25°	1503.0	1478.3	1399.8	1294.5	1191.3	1100.4	1038.5	995.2	980.7
27.5°	1443.2	1414.3	1333.7	1228.5	1123.1	1032.3	972.5	933.2	914.6
30°	1362.6	1335.8	1255.3	1150.0	1046.8	962.1	900.2	867.1	858.9
32.5°	1267.7	1245.0	1166.5	1067.4	968.3	889.8	838.2	803.2	794.8
35°	1170.7	1143.8	1075.7	982.7	889.8	819.7	772.1	741.2	728.9
37.5°	1065.3	1040.6	982.7	900.2	817.6	751.6	710.2	683.4	671.0
40°	953.8	935.3	881.6	815.5	741.2	683.4	648.2	625.5	613.2
42.5°	850.6	832.1	794.8	732.9	671.0	619.4	588.4	567.7	557.4
45°	761.8	745.4	708.2	654.5	598.8	555.4	522.3	507.9	497.6
47.5°	673.1	664.8	631.7	582.3	530.7	493.4	470.7	454.2	446.0
50°	605.0	594.6	563.6	512.0	468.7	439.8	419.1	404.6	396.4
52.5°	534.7	524.5	495.5	452.2	417.1	390.2	369.5	357.2	349.0
55°	476.9	468.7	437.7	398.4	367.5	344.8	326.3	311.8	303.6
57.5°	423.3	415.0	386.1	349.0	322.1	301.4	284.9	272.5	262.2
60°	373.7	367.5	338.6	303.6	280.8	260.2	245.6	235.4	229.1
62.5°	330.3	317.9	293.2	262.2	241.6	225.1	210.6	204.4	208.6
65°	282.9	276.7	251.8	225.1	206.4	190.0	179.7	183.7	187.9
67.5°	243.6	235.4	214.7	190.0	173.5	161.0	154.8	163.1	165.2
70°	204.4	196.2	177.5	156.9	142.4	134.2	134.2	140.4	142.4
72.5°	167.3	161.0	144.6	128.1	117.7	111.5	115.6	119.7	121.8
75°	134.2	128.1	115.6	101.2	90.8	90.8	95.0	99.0	101.2
77.5°	103.2	99.0	86.7	76.3	72.3	72.3	76.3	78.5	80.5
80°	72.3	68.1	61.9	55.8	51.6	55.8	59.9	59.9	61.9
82.5°	47.4	45.4	41.3	37.2	37.2	39.2	41.3	43.4	43.4
85°	24.7	24.7	22.7	20.7	22.7	24.7	24.7	26.9	26.9
87.5°	8.2	8.2	8.2	8.2	10.3	10.3	10.3	10.3	10.3
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)