

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: P582261

Luminaire Tested: **HCC6S30D010MW-HM63040940-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582261
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: HCC6S30D010MW-HM63040940-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

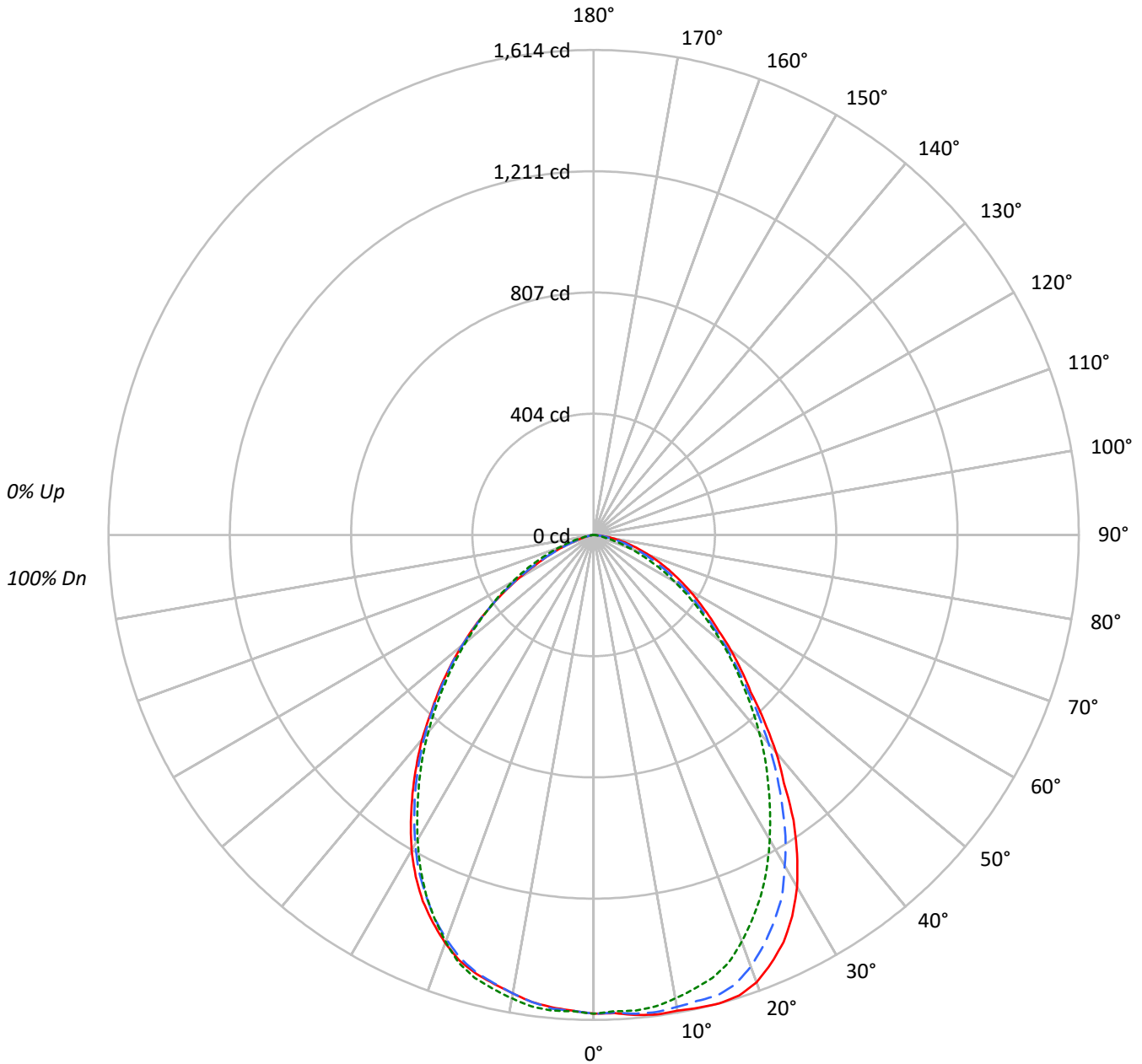
Lumens per Lamp: N/A
Luminaire Lumens: 3122.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582261
CATALOG NUMBER: HCC6S30D010MW-HM63040940-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582261

CATALOG NUMBER: HCC6S30D010MW-HM63040940-61RWWH

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	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°	87345	87345	87345
5°	88251	87447	86870
10°	89505	87184	86249
15°	91612	86629	85801
20°	92461	84054	84299
25°	90441	79825	81343
30°	85652	74151	76664
35°	77557	67780	70296
40°	67541	61265	63512
45°	57308	54230	56176
50°	50753	47376	48612
55°	44710	40515	40324
60°	40063	34120	31368
65°	35750	27357	22493
70°	31464	19747	14057
75°	26540	11946	7964
80°	20426	5241	3315
85°	11825	1321	1321



TEST NUMBER: P582261
 CATALOG NUMBER: HCC6S30D010MW-HM63040940-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	4.8
10°-20°	434.7	13.9
20°-30°	628.3	20.1
30°-40°	661.1	21.2
40°-50°	555.8	17.8
50°-60°	390.1	12.5
60°-70°	214.6	6.9
70°-80°	76.2	2.4
80°-90°	10.0	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°	1214.2	38.9
0°-40°	1875.4	60.1
0°-60°	2821.2	90.4
0°-90°	3122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3122.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1593	1593	1593	1593	1593	
5°	1604	1600	1589	1583	1579	153
15°	1614	1587	1526	1508	1512	455
25°	1495	1420	1320	1322	1345	684
35°	1159	1092	1013	1034	1050	718
45°	739	718	700	716	725	580
55°	468	443	424	424	422	421
65°	276	246	211	173	173	274
75°	125	100	56	38	38	135
85°	19	10	2	2	2	26
90°	0	0	0	0	0	

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



TEST NUMBER: P582261

CATALOG NUMBER: HCC6S30D010MW-HM63040940-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1593.3	1593.3	1593.3	1593.3	1593.3	1593.3	1593.3	1593.3	1593.3
2.5°	1593.3	1593.3	1591.1	1591.1	1587.0	1587.0	1584.9	1584.9	1584.9
5°	1603.7	1603.7	1599.6	1593.3	1589.1	1582.8	1582.8	1580.8	1578.6
7.5°	1609.9	1607.9	1601.6	1593.3	1582.8	1572.3	1568.2	1570.3	1568.2
10°	1607.9	1603.7	1595.4	1578.6	1566.2	1551.5	1549.4	1547.4	1549.4
12.5°	1612.0	1605.7	1589.1	1568.2	1547.4	1530.6	1528.6	1528.6	1530.6
15°	1614.2	1607.9	1587.0	1555.7	1526.4	1509.7	1507.7	1509.7	1511.8
17.5°	1607.9	1599.6	1568.2	1526.4	1493.0	1476.3	1476.3	1480.5	1484.7
20°	1584.9	1572.3	1528.6	1478.4	1440.8	1428.3	1432.5	1440.8	1445.0
22.5°	1543.1	1528.6	1478.4	1422.0	1382.3	1371.9	1382.3	1392.8	1397.0
25°	1495.2	1478.4	1419.9	1361.5	1319.7	1307.2	1321.8	1338.5	1344.8
27.5°	1430.4	1411.6	1357.2	1290.4	1248.7	1242.4	1259.2	1277.9	1282.1
30°	1353.1	1332.3	1271.6	1209.1	1171.4	1169.4	1188.2	1204.8	1211.1
32.5°	1259.2	1240.4	1188.2	1125.5	1092.1	1092.1	1110.9	1125.5	1131.8
35°	1158.9	1138.0	1092.1	1039.9	1012.8	1014.8	1033.6	1044.1	1050.4
37.5°	1039.9	1033.6	998.2	954.3	935.5	939.7	954.3	962.6	968.9
40°	943.8	927.2	904.1	868.7	856.1	860.4	875.0	883.3	887.5
42.5°	839.4	829.0	810.2	785.1	776.8	783.1	795.6	801.9	799.7
45°	739.2	737.1	718.3	703.7	699.5	707.9	716.3	722.6	724.6
47.5°	666.1	657.8	641.1	630.6	626.5	634.8	643.1	647.3	647.3
50°	595.1	586.8	570.0	559.7	555.5	563.8	570.0	574.3	570.0
52.5°	524.1	515.8	501.2	488.7	486.5	490.7	492.8	494.9	499.0
55°	467.8	459.4	442.7	428.0	423.9	426.0	423.9	423.9	421.9
57.5°	413.4	405.1	388.4	371.7	365.4	363.4	357.1	355.0	352.9
60°	365.4	355.0	338.3	319.5	311.2	302.8	292.4	286.1	286.1
62.5°	319.5	309.0	290.2	273.6	261.0	246.4	229.7	221.4	221.4
65°	275.6	267.3	246.4	227.6	210.9	192.1	173.4	169.2	173.4
67.5°	233.9	225.6	204.6	185.8	164.9	142.0	125.3	125.3	129.5
70°	196.3	188.0	169.2	146.1	123.2	100.2	87.7	87.7	87.7
72.5°	160.8	152.4	131.5	110.7	87.7	64.7	58.5	60.5	58.5
75°	125.3	119.0	100.2	77.3	56.4	39.7	37.6	35.6	37.6
77.5°	93.9	87.7	71.0	50.1	31.3	22.9	20.9	20.9	20.9
80°	64.7	58.5	45.9	29.2	16.6	10.5	10.5	10.5	10.5
82.5°	39.7	33.4	25.1	14.6	6.3	6.3	6.3	6.3	6.3
85°	18.8	14.6	10.5	4.2	2.1	2.1	2.1	2.1	2.1
87.5°	4.2	4.2	2.1	2.1	0.0	2.1	2.1	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)