

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: **HCC6W30D010MB-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: HCC6W30D010MB-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

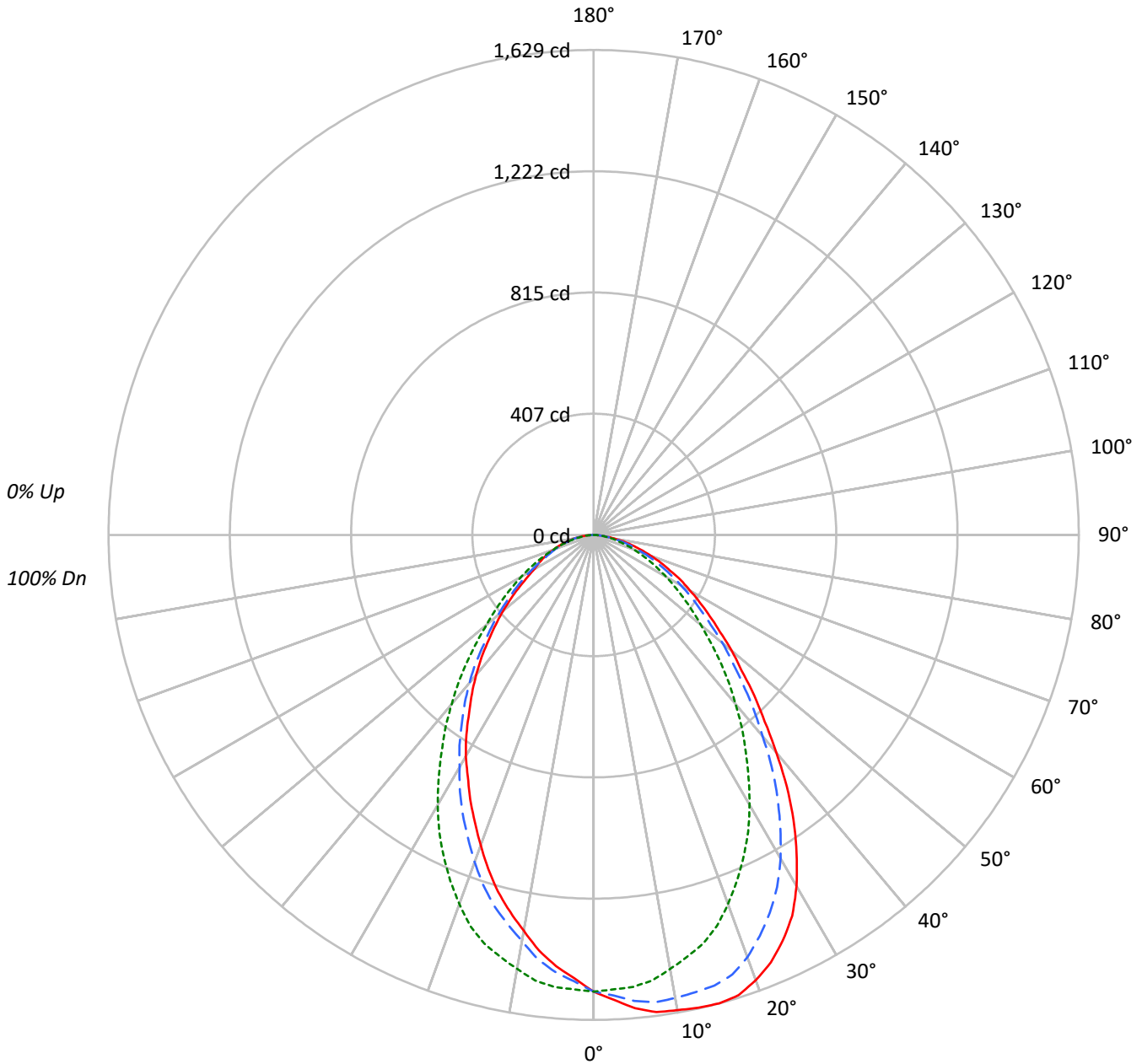
Lumens per Lamp: N/A
Luminaire Lumens: 2857.5 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{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: P582232
CATALOG NUMBER: HCC6W30D010MB-HM63040930-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582232

CATALOG NUMBER: HCC6W30D010MB-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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					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: HCC6W30D010MB-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: HCC6W30D010MB-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)