

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: P582225

Luminaire Tested: **HCC6W30D010MB-HM63040930-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582225
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: HCC6W30D010MB-HM63040930-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

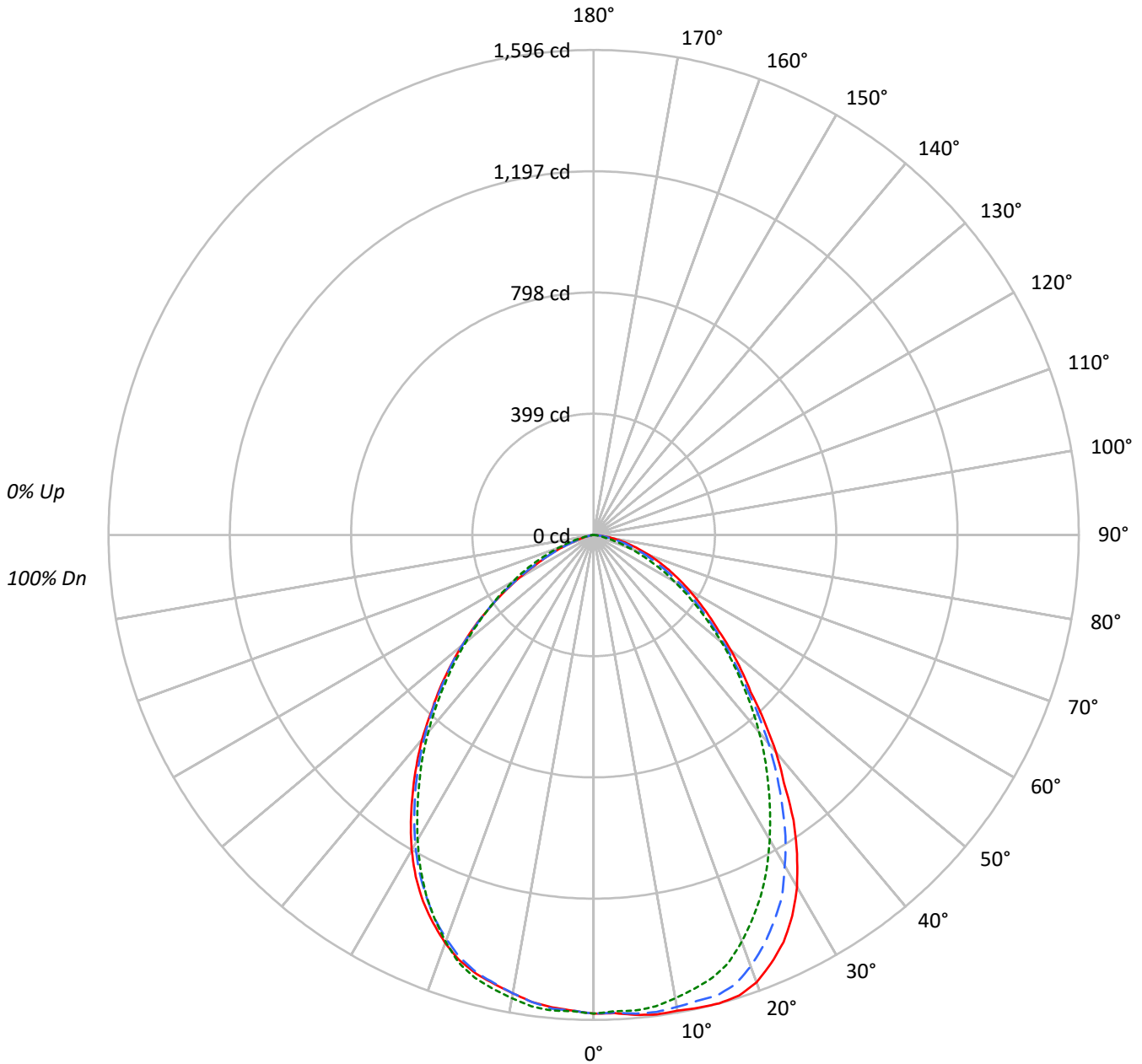
Lumens per Lamp: N/A
Luminaire Lumens: 3086.7 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582225
CATALOG NUMBER: HCC6W30D010MB-HM63040930-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582225

CATALOG NUMBER: HCC6W30D010MB-HM63040930-61RWWH

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	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°	86358	86358	86358
5°	87249	86457	85890
10°	88492	86193	85275
15°	90574	85653	84830
20°	91416	83103	83348
25°	89418	78924	80418
30°	84690	73315	75796
35°	76680	67010	69500
40°	66775	60571	62796
45°	56665	53618	55541
50°	50182	46839	48067
55°	44204	40056	39865
60°	39613	33725	31017
65°	35347	27059	22220
70°	31095	19523	13897
75°	26243	11819	7879
80°	20205	5209	3252
85°	11636	1258	1258



TEST NUMBER: P582225
 CATALOG NUMBER: HCC6W30D010MB-HM63040930-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	4.8
10°-20°	429.7	13.9
20°-30°	621.2	20.1
30°-40°	653.7	21.2
40°-50°	549.5	17.8
50°-60°	385.7	12.5
60°-70°	212.2	6.9
70°-80°	75.3	2.4
80°-90°	9.8	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°	1200.5	38.9
0°-40°	1854.2	60.1
0°-60°	2789.4	90.4
0°-90°	3086.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1575	1575	1575	1575	1575	
5°	1586	1582	1571	1565	1561	152
15°	1596	1569	1509	1491	1495	450
25°	1478	1404	1305	1307	1330	676
35°	1146	1080	1001	1022	1038	710
45°	731	710	692	708	716	573
55°	462	438	419	419	417	416
65°	272	244	209	171	171	271
75°	124	99	56	37	37	133
85°	18	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: P582225

CATALOG NUMBER: HCC6W30D010MB-HM63040930-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1575.3	1575.3	1575.3	1575.3	1575.3	1575.3	1575.3	1575.3	1575.3
2.5°	1575.3	1575.3	1573.2	1573.2	1569.1	1569.1	1567.0	1567.0	1567.0
5°	1585.5	1585.5	1581.5	1575.3	1571.1	1565.0	1565.0	1562.8	1560.8
7.5°	1591.8	1589.7	1583.5	1575.3	1565.0	1554.6	1550.5	1552.6	1550.5
10°	1589.7	1585.5	1577.3	1560.8	1548.4	1533.9	1531.9	1529.9	1531.9
12.5°	1593.9	1587.7	1571.1	1550.5	1529.9	1513.4	1511.2	1511.2	1513.4
15°	1595.9	1589.7	1569.1	1538.1	1509.2	1492.7	1490.6	1492.7	1494.7
17.5°	1589.7	1581.5	1550.5	1509.2	1476.1	1459.6	1459.6	1463.8	1467.9
20°	1567.0	1554.6	1511.2	1461.8	1424.5	1412.2	1416.3	1424.5	1428.7
22.5°	1525.7	1511.2	1461.8	1406.0	1366.8	1356.4	1366.8	1377.1	1381.1
25°	1478.3	1461.8	1403.9	1346.1	1304.8	1292.4	1306.8	1323.4	1329.5
27.5°	1414.2	1395.6	1342.0	1275.9	1234.7	1228.5	1244.9	1263.6	1267.6
30°	1337.9	1317.2	1257.4	1195.4	1158.2	1156.2	1174.7	1191.3	1197.4
32.5°	1244.9	1226.3	1174.7	1112.8	1079.7	1079.7	1098.4	1112.8	1119.0
35°	1145.8	1125.2	1079.7	1028.1	1001.3	1003.4	1021.9	1032.3	1038.5
37.5°	1028.1	1021.9	986.9	943.5	924.9	929.1	943.5	951.8	958.0
40°	933.1	916.7	894.0	858.8	846.4	850.6	865.0	873.3	877.5
42.5°	829.9	819.6	801.0	776.3	768.0	774.2	786.6	792.8	790.7
45°	730.9	728.7	710.2	695.8	691.6	699.8	708.2	714.4	716.4
47.5°	658.6	650.4	633.9	623.5	619.4	627.7	635.9	640.0	640.0
50°	588.4	580.1	563.6	553.4	549.2	557.4	563.6	567.7	563.6
52.5°	518.2	510.0	495.5	483.1	481.1	485.2	487.3	489.3	493.4
55°	462.5	454.2	437.7	423.3	419.1	421.1	419.1	419.1	417.1
57.5°	408.8	400.6	384.0	367.5	361.3	359.2	353.0	351.0	349.0
60°	361.3	351.0	334.5	315.9	307.6	299.4	289.0	282.9	282.9
62.5°	315.9	305.6	287.0	270.5	258.0	243.6	227.1	218.9	218.9
65°	272.5	264.3	243.6	225.1	208.6	189.9	171.3	167.2	171.3
67.5°	231.3	222.9	202.4	183.7	163.1	140.4	123.9	123.9	128.1
70°	194.0	185.8	167.2	144.5	121.8	99.0	86.7	86.7	86.7
72.5°	159.0	150.8	130.1	109.4	86.7	64.0	57.8	59.9	57.8
75°	123.9	117.7	99.0	76.3	55.8	39.2	37.2	35.1	37.2
77.5°	92.9	86.7	70.2	49.6	30.9	22.7	20.7	20.7	20.7
80°	64.0	57.8	45.4	28.9	16.5	10.3	10.3	10.3	10.3
82.5°	39.2	33.1	24.7	14.5	6.2	6.2	6.2	6.2	6.2
85°	18.5	14.5	10.3	4.2	2.0	2.0	2.0	2.0	2.0
87.5°	4.2	4.2	2.0	2.0	0.0	2.0	2.0	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)