

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: P593176

Luminaire Tested: **HCC6W25D010MB-HM60525850-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593176
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: HCC6W25D010MB-HM60525850-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

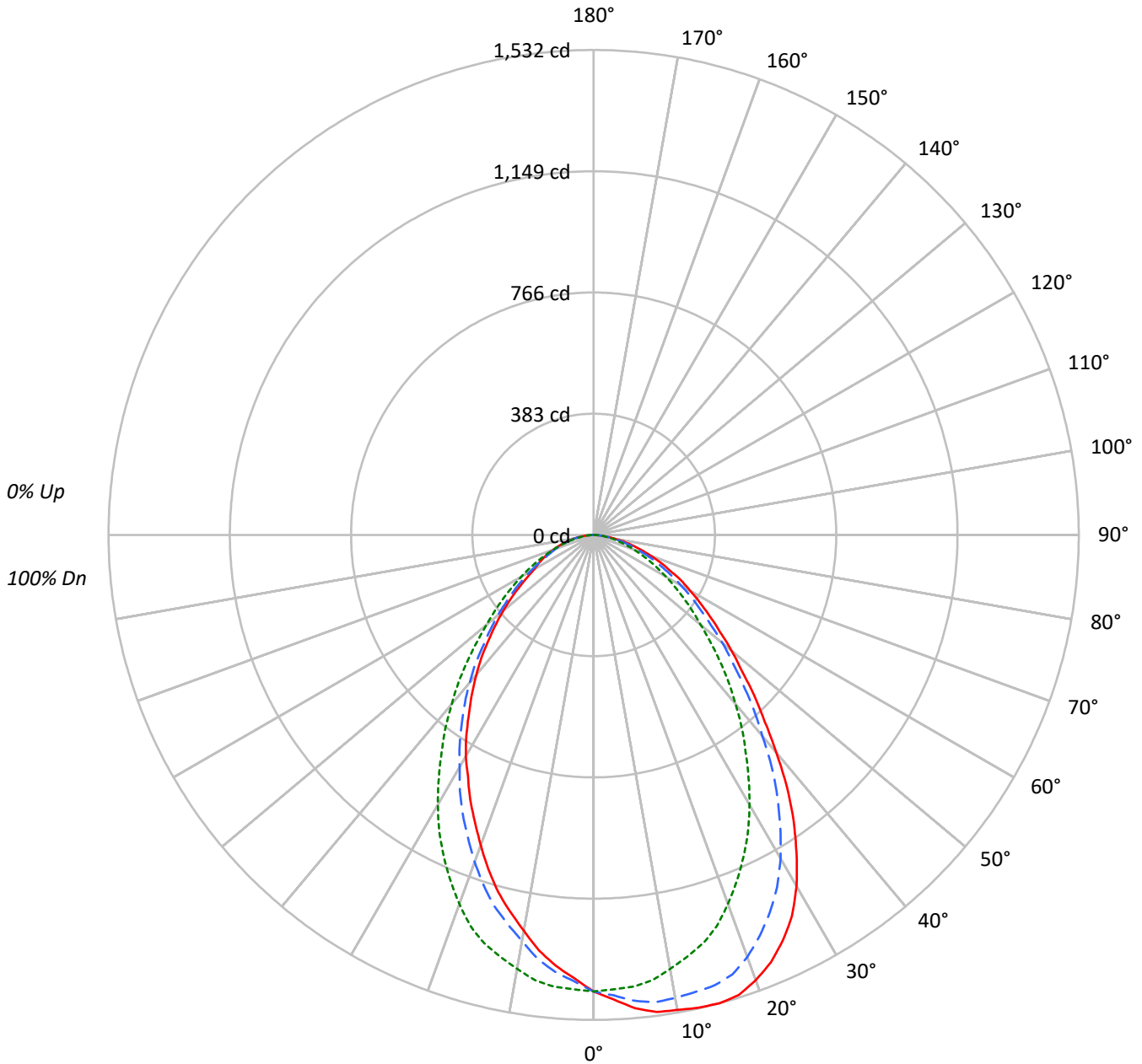
Lumens per Lamp: N/A
Luminaire Lumens: 2686.7 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593176
CATALOG NUMBER: HCC6W25D010MB-HM60525850-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593176

CATALOG NUMBER: HCC6W25D010MB-HM60525850-61WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	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°	79067	79067	79067
5°	82577	78841	75203
10°	84829	77476	70668
15°	86930	75801	66215
20°	87315	72369	60818
25°	85487	67752	55775
30°	81101	62301	51122
35°	73656	55988	45862
40°	64185	49872	41256
45°	55533	43648	36275
50°	48502	37585	31794
55°	42856	33031	27268
60°	38517	28945	23627
65°	34491	25178	22921
70°	30806	21462	21462
75°	26730	18110	20143
80°	21436	15311	18405
85°	14655	13398	15851



TEST NUMBER: P593176
 CATALOG NUMBER: HCC6W25D010MB-HM60525850-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	5.0
10°-20°	376.8	14.0
20°-30°	525.1	19.5
30°-40°	541.1	20.1
40°-50°	448.4	16.7
50°-60°	322.3	12.0
60°-70°	205.2	7.6
70°-80°	105.4	3.9
80°-90°	26.8	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°	1037.5	38.6
0°-40°	1578.6	58.8
0°-60°	2349.3	87.4
0°-90°	2686.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2686.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1442	1442	1442	1442	1442	
5°	1501	1477	1433	1386	1367	144
15°	1532	1473	1336	1213	1167	432
25°	1413	1316	1120	976	922	648
35°	1101	1011	837	726	685	684
45°	716	666	563	491	468	554
55°	448	412	346	307	285	404
65°	266	237	194	169	177	266
75°	126	109	86	89	95	135
85°	23	21	21	23	25	30
90°	0	0	0	0	0	

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



TEST NUMBER: P593176

CATALOG NUMBER: HCC6W25D010MB-HM60525850-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3	1442.3
2.5°	1469.5	1463.6	1455.9	1448.1	1436.6	1422.9	1411.3	1407.4	1401.6
5°	1500.6	1492.8	1477.3	1457.9	1432.7	1407.4	1386.1	1372.4	1366.6
7.5°	1520.0	1510.2	1488.9	1455.9	1419.0	1382.2	1351.1	1331.7	1323.9
10°	1523.9	1514.1	1485.1	1440.3	1391.8	1341.3	1302.6	1279.3	1269.5
12.5°	1529.7	1516.1	1479.2	1426.8	1364.6	1306.5	1257.9	1228.8	1219.0
15°	1531.7	1516.1	1473.4	1409.4	1335.6	1265.7	1213.3	1178.3	1166.7
17.5°	1523.9	1506.4	1455.9	1378.3	1294.9	1221.0	1158.9	1122.1	1106.5
20°	1496.7	1477.3	1419.0	1331.7	1240.5	1162.8	1098.8	1059.9	1042.5
22.5°	1461.7	1436.6	1370.5	1277.3	1182.2	1100.6	1036.6	997.8	980.3
25°	1413.3	1390.0	1316.2	1217.2	1120.1	1034.7	976.5	935.6	922.1
27.5°	1356.9	1329.7	1254.0	1155.0	1056.0	970.6	914.3	877.5	859.9
30°	1281.2	1256.0	1180.2	1081.2	984.2	904.7	846.4	815.3	807.6
32.5°	1191.9	1170.6	1096.8	1003.7	910.4	836.6	788.1	755.2	747.4
35°	1100.6	1075.4	1011.4	924.0	836.6	770.7	726.0	696.9	685.3
37.5°	1001.6	978.3	924.0	846.4	768.7	706.6	667.7	642.5	630.9
40°	896.9	879.4	828.9	766.8	696.9	642.5	609.6	588.2	576.5
42.5°	799.8	782.4	747.4	689.2	630.9	582.4	553.2	533.8	524.1
45°	716.3	700.8	665.8	615.3	563.0	522.3	491.2	477.5	467.9
47.5°	632.9	625.1	594.0	547.4	498.9	464.0	442.6	427.0	419.3
50°	568.7	559.1	529.9	481.4	440.7	413.5	394.1	380.5	372.8
52.5°	502.8	493.1	465.9	425.1	392.1	366.9	347.5	335.8	328.0
55°	448.4	440.7	411.5	374.6	345.6	324.2	306.7	293.1	285.3
57.5°	398.0	390.2	363.0	328.0	302.9	283.4	267.9	256.2	246.6
60°	351.3	345.6	318.4	285.3	264.0	244.6	231.1	221.3	215.5
62.5°	310.6	299.0	275.7	246.6	227.2	211.6	198.0	192.2	196.1
65°	265.9	260.1	236.8	211.6	194.1	178.6	168.9	172.8	176.7
67.5°	229.0	221.3	201.9	178.6	163.0	151.4	145.6	153.4	155.2
70°	192.2	184.4	166.9	147.5	133.9	126.2	126.2	131.9	133.9
72.5°	157.3	151.4	135.8	120.4	110.6	104.9	108.8	112.6	114.5
75°	126.2	120.4	108.8	95.1	85.5	85.5	89.3	93.2	95.1
77.5°	97.1	93.2	81.6	71.8	67.9	67.9	71.8	73.8	75.7
80°	67.9	64.0	58.3	52.4	48.5	52.4	56.3	56.3	58.3
82.5°	44.6	42.7	38.8	35.0	35.0	36.8	38.8	40.7	40.7
85°	23.3	23.3	21.3	19.4	21.3	23.3	23.3	25.2	25.2
87.5°	7.8	7.8	7.8	7.8	9.6	9.6	9.6	9.6	9.6
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)