

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: P582081

Luminaire Tested: **HCC6W25D010MB-HM60525930-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582081
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: HCC6W25D010MB-HM60525930-61RWWH
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: 2287.7 lumens
Efficiency: N/A
Efficacy: 85.4 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

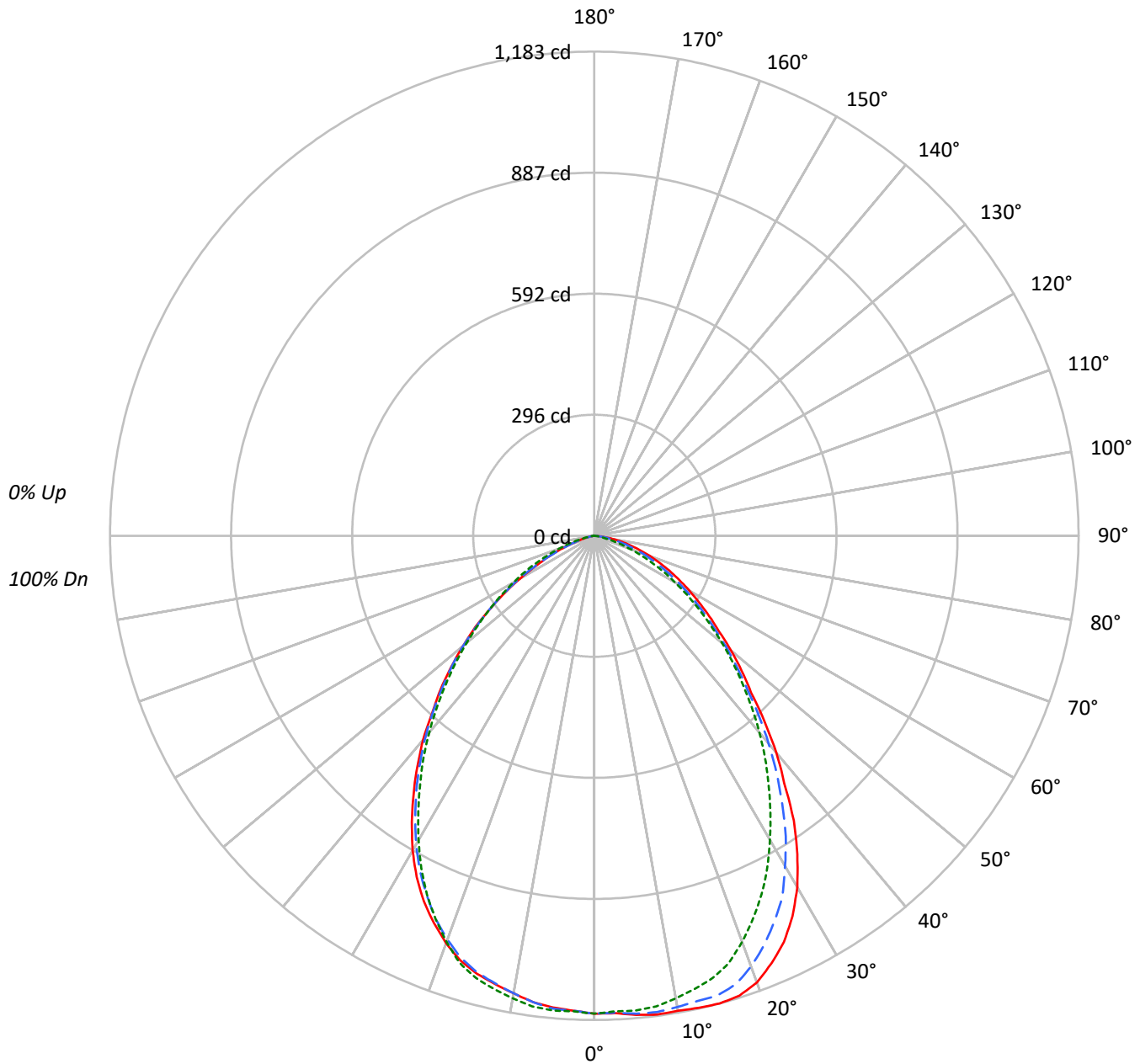
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582081

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61RWWH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582081

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61RWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	64003	64003	64003
5°	64671	64076	63658
10°	65586	63882	63197
15°	67129	63485	62878
20°	67754	61594	61775
25°	66270	58497	59610
30°	62769	54337	56180
35°	56838	49670	51511
40°	49500	44898	46537
45°	41997	39741	41167
50°	37184	34711	35632
55°	32763	29686	29543
60°	29362	24998	22981
65°	26203	20041	16487
70°	23049	14474	10306
75°	19444	8748	5846
80°	14996	3883	2399
85°	8680	943	943



TEST NUMBER: P582081

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	4.8
10°-20°	318.5	13.9
20°-30°	460.4	20.1
30°-40°	484.5	21.2
40°-50°	407.3	17.8
50°-60°	285.8	12.5
60°-70°	157.2	6.9
70°-80°	55.8	2.4
80°-90°	7.3	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°	889.8	38.9
0°-40°	1374.2	60.1
0°-60°	2067.4	90.4
0°-90°	2287.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2287.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1168	1168	1168	1168	1168	
5°	1175	1172	1164	1160	1157	112
15°	1183	1163	1119	1105	1108	334
25°	1096	1040	967	969	986	501
35°	849	800	742	757	770	526
45°	542	526	513	525	531	425
55°	343	324	311	311	309	308
65°	202	181	154	127	127	201
75°	92	73	41	28	28	99
85°	14	8	2	2	2	19
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P582081

CATALOG NUMBER: HCC6W25D010MB-HM60525930-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5	1167.5
2.5°	1167.5	1167.5	1166.0	1166.0	1162.9	1162.9	1161.4	1161.4	1161.4
5°	1175.2	1175.2	1172.2	1167.5	1164.4	1159.9	1159.9	1158.4	1156.8
7.5°	1179.8	1178.2	1173.7	1167.5	1159.9	1152.3	1149.1	1150.8	1149.1
10°	1178.2	1175.2	1169.0	1156.8	1147.6	1137.0	1135.3	1133.8	1135.3
12.5°	1181.3	1176.7	1164.4	1149.1	1133.8	1121.7	1120.1	1120.1	1121.7
15°	1182.8	1178.2	1162.9	1140.0	1118.6	1106.3	1104.8	1106.3	1107.9
17.5°	1178.2	1172.2	1149.1	1118.6	1094.1	1081.8	1081.8	1084.8	1088.0
20°	1161.4	1152.3	1120.1	1083.3	1055.8	1046.6	1049.8	1055.8	1058.9
22.5°	1130.8	1120.1	1083.3	1042.1	1012.9	1005.3	1012.9	1020.7	1023.7
25°	1095.6	1083.3	1040.5	997.6	967.1	957.9	968.6	980.8	985.5
27.5°	1048.1	1034.4	994.6	945.6	915.1	910.4	922.7	936.5	939.5
30°	991.6	976.2	931.9	886.0	858.4	856.9	870.7	882.9	887.5
32.5°	922.7	908.9	870.7	824.7	800.3	800.3	814.1	824.7	829.4
35°	849.3	834.0	800.3	762.1	742.2	743.7	757.4	765.1	769.7
37.5°	762.1	757.4	731.4	699.3	685.5	688.5	699.3	705.4	709.9
40°	691.7	679.4	662.6	636.5	627.4	630.4	641.2	647.3	650.3
42.5°	615.1	607.5	593.7	575.4	569.2	573.9	583.0	587.5	586.0
45°	541.7	540.2	526.4	515.7	512.6	518.7	524.9	529.4	531.0
47.5°	488.2	482.0	469.7	462.1	459.1	465.2	471.3	474.4	474.4
50°	436.0	430.0	417.8	410.1	407.0	413.1	417.8	420.8	417.8
52.5°	384.0	377.9	367.3	358.1	356.5	359.6	361.1	362.6	365.8
55°	342.8	336.7	324.4	313.6	310.6	312.1	310.6	310.6	309.1
57.5°	303.0	296.8	284.6	272.4	267.8	266.3	261.6	260.1	258.6
60°	267.8	260.1	247.8	234.1	228.0	221.9	214.3	209.6	209.6
62.5°	234.1	226.4	212.6	200.5	191.3	180.6	168.3	162.1	162.1
65°	202.0	195.8	180.6	166.8	154.5	140.8	127.1	123.9	127.1
67.5°	171.4	165.3	150.0	136.2	120.9	104.0	91.8	91.8	94.9
70°	143.8	137.7	123.9	107.1	90.3	73.4	64.3	64.3	64.3
72.5°	117.8	111.6	96.4	81.1	64.3	47.5	42.9	44.4	42.9
75°	91.8	87.2	73.4	56.6	41.3	29.1	27.6	26.1	27.6
77.5°	68.9	64.3	52.0	36.7	22.9	16.8	15.3	15.3	15.3
80°	47.5	42.9	33.7	21.4	12.3	7.6	7.6	7.6	7.6
82.5°	29.1	24.4	18.4	10.7	4.6	4.6	4.6	4.6	4.6
85°	13.8	10.7	7.6	3.0	1.5	1.5	1.5	1.5	1.5
87.5°	3.0	3.0	1.5	1.5	0.0	1.5	1.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



— 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)