

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: P582069

Luminaire Tested: **HCC6W25D010MW-HM60525927-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010MW-HM60525927-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

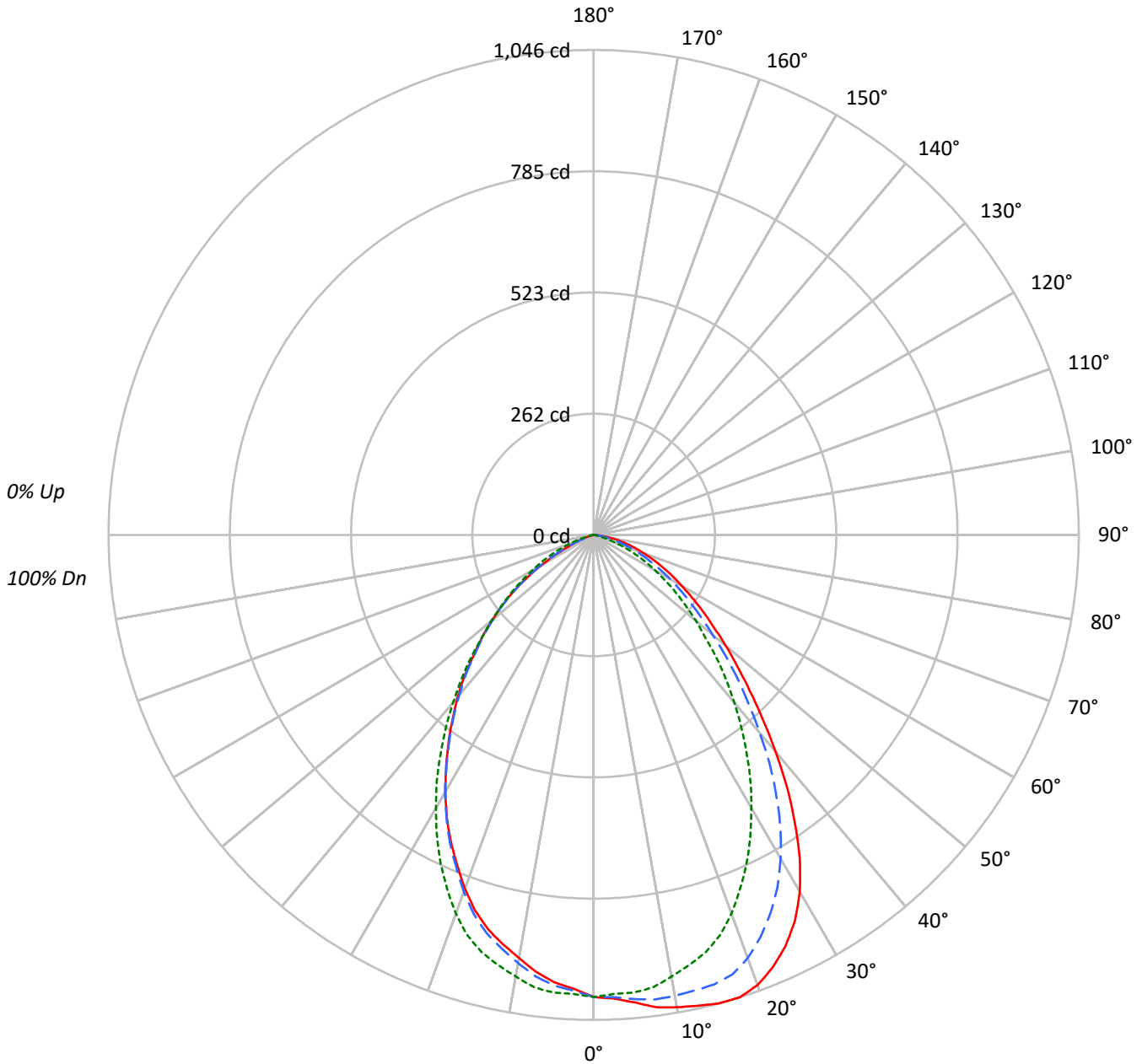
Lumens per Lamp: N/A
Luminaire Lumens: 1776.1 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582069
CATALOG NUMBER: HCC6W25D010MW-HM60525927-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582069

CATALOG NUMBER: HCC6W25D010MW-HM60525927-61WWBB

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89				
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69				
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61				
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54				
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49				
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44				
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40				
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37				
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	54634	54634	54634
5°	55690	54534	53302
10°	57586	53840	51580
15°	59353	52900	49966
20°	60269	50702	47347
25°	59187	47222	44089
30°	56262	43038	40462
35°	50567	38467	36493
40°	43632	33706	32604
45°	36950	29019	28259
50°	31683	24502	24272
55°	27459	20635	19832
60°	23967	16742	14133
65°	21092	12907	7822
70°	18192	8543	3815
75°	15441	4173	1483
80°	11933	1768	884
85°	7045	881	881



TEST NUMBER: P582069
 CATALOG NUMBER: HCC6W25D010MW-HM60525927-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	5.3
10°-20°	266.0	15.0
20°-30°	374.5	21.1
30°-40°	382.7	21.5
40°-50°	308.5	17.4
50°-60°	206.9	11.7
60°-70°	104.7	5.9
70°-80°	33.5	1.9
80°-90°	5.2	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°	734.6	41.4
0°-40°	1117.2	62.9
0°-60°	1632.7	91.9
0°-90°	1776.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	997	997	997	997	997	
5°	1012	1005	991	976	969	97
15°	1046	1004	932	890	880	295
25°	978	901	781	733	729	448
35°	756	687	575	542	545	470
45°	477	439	374	362	364	371
55°	287	255	216	206	208	259
65°	163	135	100	66	60	162
75°	73	52	20	7	7	78
85°	11	6	1	1	1	15
90°	0	0	0	0	0	



TEST NUMBER: P582069

CATALOG NUMBER: HCC6W25D010MW-HM60525927-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6	996.6
2.5°	1000.9	999.4	998.0	995.3	991.0	986.9	984.0	981.2	979.8
5°	1012.0	1009.3	1005.0	999.4	991.0	981.2	975.6	970.1	968.6
7.5°	1027.5	1021.8	1010.7	998.0	984.0	970.1	960.2	954.5	950.4
10°	1034.5	1024.7	1009.3	988.2	967.2	950.4	937.7	929.4	926.6
12.5°	1040.1	1028.8	1006.4	978.5	950.4	928.0	913.9	906.9	904.2
15°	1045.8	1034.5	1003.7	967.2	932.1	905.5	890.1	883.1	880.4
17.5°	1045.8	1030.3	993.9	947.6	905.5	873.3	857.9	850.9	849.4
20°	1033.1	1016.3	971.5	916.7	869.1	832.6	818.6	814.4	811.6
22.5°	1009.3	989.6	939.1	877.5	825.6	790.6	775.1	772.3	769.6
25°	978.5	958.8	901.3	835.5	780.7	745.8	733.1	730.4	728.9
27.5°	939.1	918.2	857.9	790.6	731.8	698.0	686.9	686.9	685.5
30°	888.8	864.8	806.1	738.8	679.9	649.1	640.7	640.7	639.2
32.5°	827.0	803.2	749.9	685.5	629.4	597.2	590.2	592.9	591.5
35°	755.6	735.9	686.9	623.7	574.8	545.3	542.4	545.3	545.3
37.5°	684.0	665.8	623.7	569.1	522.9	496.2	496.2	500.4	499.1
40°	609.7	595.8	556.5	508.8	471.0	452.7	450.0	454.2	455.6
42.5°	539.7	528.5	494.8	455.6	421.9	403.7	407.9	410.7	412.1
45°	476.6	465.4	438.8	398.1	374.3	361.6	361.6	365.9	364.5
47.5°	420.5	412.1	385.4	346.2	325.2	319.6	322.4	325.2	325.2
50°	371.5	358.9	333.7	302.7	287.3	280.3	283.2	284.6	284.6
52.5°	325.2	316.8	291.6	263.5	249.5	245.3	245.3	246.7	246.7
55°	287.3	277.5	255.1	227.0	215.9	210.3	206.1	204.6	207.5
57.5°	251.0	242.5	221.5	194.8	182.2	176.7	168.2	165.4	168.2
60°	218.6	211.6	190.6	165.4	152.7	141.6	131.8	126.2	128.9
62.5°	190.6	182.2	161.3	140.2	126.2	113.5	98.1	89.7	94.0
65°	162.6	155.6	134.6	113.5	99.5	84.1	65.9	60.3	60.3
67.5°	137.3	130.3	110.8	92.5	75.7	57.5	40.6	39.2	40.6
70°	113.5	106.5	89.7	71.5	53.3	35.1	23.8	23.8	23.8
72.5°	94.0	85.5	70.0	51.9	33.6	18.2	12.7	14.0	14.0
75°	72.9	65.9	51.9	35.1	19.7	8.4	7.0	7.0	7.0
77.5°	54.6	49.1	36.5	22.4	9.8	2.8	2.8	2.8	2.8
80°	37.8	32.2	23.8	14.0	5.6	2.8	2.8	2.8	2.8
82.5°	22.4	19.7	14.0	7.0	2.8	1.4	1.4	1.4	1.4
85°	11.2	9.8	5.6	2.8	1.4	1.4	1.4	1.4	1.4
87.5°	2.8	2.8	1.4	1.4	0.0	1.4	1.4	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)