

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: P582063

Luminaire Tested: **HCC6W25D010MB-HM60525927-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582063
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-HM60525927-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

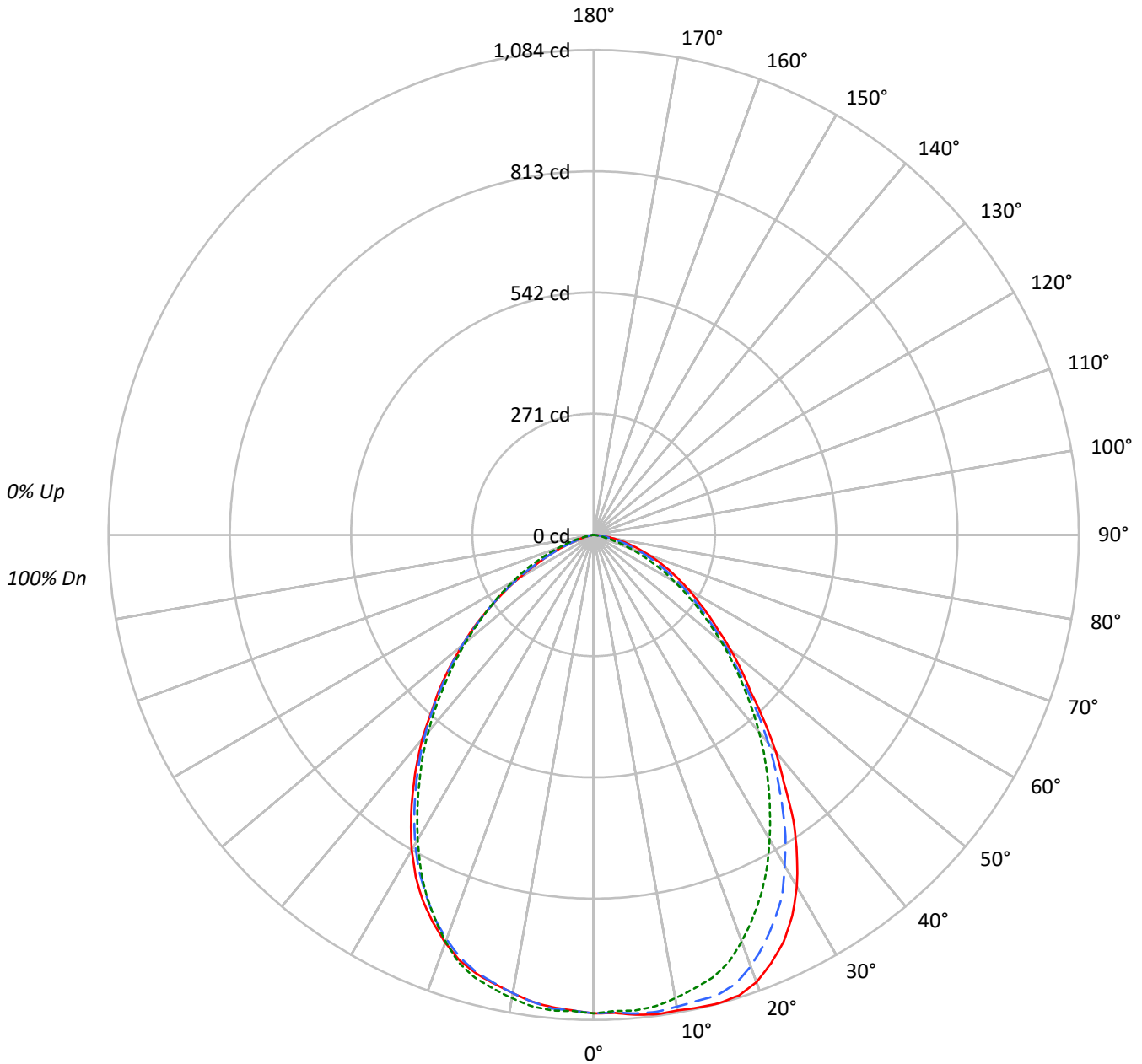
Lumens per Lamp: N/A
Luminaire Lumens: 2095.7 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): 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: P582063
CATALOG NUMBER: HCC6W25D010MB-HM60525927-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582063

CATALOG NUMBER: HCC6W25D010MB-HM60525927-61RWWH

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	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°	58625	58625	58625
5°	59239	58700	58315
10°	60080	58522	57898
15°	61493	58156	57594
20°	62066	56425	56582
25°	60711	53586	54602
30°	57496	49780	51457
35°	52066	45501	47187
40°	45335	41134	42630
45°	38469	36407	37709
50°	34071	31803	32639
55°	30011	27201	27067
60°	26895	22904	21062
65°	24010	18368	15086
70°	21125	13255	9441
75°	17813	8006	5338
80°	13733	3536	2210
85°	7988	881	881



TEST NUMBER: P582063
 CATALOG NUMBER: HCC6W25D010MB-HM60525927-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	4.8
10°-20°	291.8	13.9
20°-30°	421.8	20.1
30°-40°	443.8	21.2
40°-50°	373.1	17.8
50°-60°	261.9	12.5
60°-70°	144.0	6.9
70°-80°	51.1	2.4
80°-90°	6.7	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°	815.1	38.9
0°-40°	1258.9	60.1
0°-60°	1893.8	90.4
0°-90°	2095.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1069	1069	1069	1069	1069	
5°	1076	1074	1067	1062	1060	103
15°	1084	1065	1025	1012	1015	306
25°	1004	953	886	887	903	459
35°	778	733	680	694	705	482
45°	496	482	470	481	486	389
55°	314	297	285	285	283	283
65°	185	165	142	116	116	184
75°	84	67	38	25	25	90
85°	13	7	1	1	1	17
90°	0	0	0	0	0	

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



TEST NUMBER: P582063

CATALOG NUMBER: HCC6W25D010MB-HM60525927-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4	1069.4
2.5°	1069.4	1069.4	1068.1	1068.1	1065.3	1065.3	1063.9	1063.9	1063.9
5°	1076.5	1076.5	1073.7	1069.4	1066.7	1062.5	1062.5	1061.0	1059.7
7.5°	1080.7	1079.3	1075.1	1069.4	1062.5	1055.5	1052.6	1054.0	1052.6
10°	1079.3	1076.5	1070.9	1059.7	1051.3	1041.5	1040.1	1038.6	1040.1
12.5°	1082.1	1078.0	1066.7	1052.6	1038.6	1027.5	1026.1	1026.1	1027.5
15°	1083.5	1079.3	1065.3	1044.3	1024.7	1013.4	1012.0	1013.4	1014.8
17.5°	1079.3	1073.7	1052.6	1024.7	1002.3	991.0	991.0	993.8	996.6
20°	1063.9	1055.5	1026.1	992.4	967.2	958.8	961.6	967.2	969.9
22.5°	1035.9	1026.1	992.4	954.5	928.0	921.0	928.0	935.0	937.7
25°	1003.7	992.4	953.2	913.9	885.9	877.5	887.2	898.5	902.7
27.5°	960.2	947.5	911.1	866.2	838.3	834.0	845.3	857.8	860.7
30°	908.3	894.3	853.7	811.6	786.4	785.0	797.5	808.8	812.9
32.5°	845.3	832.6	797.5	755.6	733.1	733.1	745.7	755.6	759.7
35°	778.0	764.0	733.1	698.0	679.9	681.3	693.8	700.8	705.1
37.5°	698.0	693.8	670.0	640.5	628.0	630.8	640.5	646.2	650.4
40°	633.5	622.4	607.0	583.1	574.8	577.5	587.3	592.9	595.7
42.5°	563.5	556.5	543.8	527.0	521.4	525.6	534.0	538.3	536.9
45°	496.2	494.8	482.2	472.4	469.6	475.1	480.8	485.0	486.4
47.5°	447.2	441.6	430.3	423.3	420.5	426.1	431.8	434.5	434.5
50°	399.5	393.8	382.7	375.6	372.9	378.4	382.7	385.4	382.7
52.5°	351.8	346.2	336.4	328.0	326.7	329.4	330.8	332.2	335.1
55°	314.0	308.4	297.2	287.3	284.6	285.9	284.6	284.6	283.2
57.5°	277.5	271.9	260.7	249.5	245.3	243.8	239.7	238.3	236.9
60°	245.3	238.3	227.0	214.5	208.9	203.2	196.2	192.1	192.1
62.5°	214.5	207.5	194.8	183.6	175.2	165.4	154.2	148.6	148.6
65°	185.1	179.4	165.4	152.7	141.6	128.9	116.3	113.5	116.3
67.5°	157.0	151.4	137.3	124.8	110.8	95.4	84.1	84.1	87.0
70°	131.8	126.2	113.5	98.1	82.7	67.3	58.9	58.9	58.9
72.5°	107.9	102.4	88.3	74.3	58.9	43.5	39.2	40.6	39.2
75°	84.1	79.9	67.3	51.9	37.8	26.7	25.2	23.8	25.2
77.5°	63.0	58.9	47.6	33.6	21.1	15.4	14.0	14.0	14.0
80°	43.5	39.2	30.8	19.7	11.2	7.0	7.0	7.0	7.0
82.5°	26.7	22.4	16.8	9.8	4.3	4.3	4.3	4.3	4.3
85°	12.7	9.8	7.0	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)