

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: P582062

Luminaire Tested: **HCC6W25D010BZ-HM60525927-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W25D010BZ-HM60525927-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

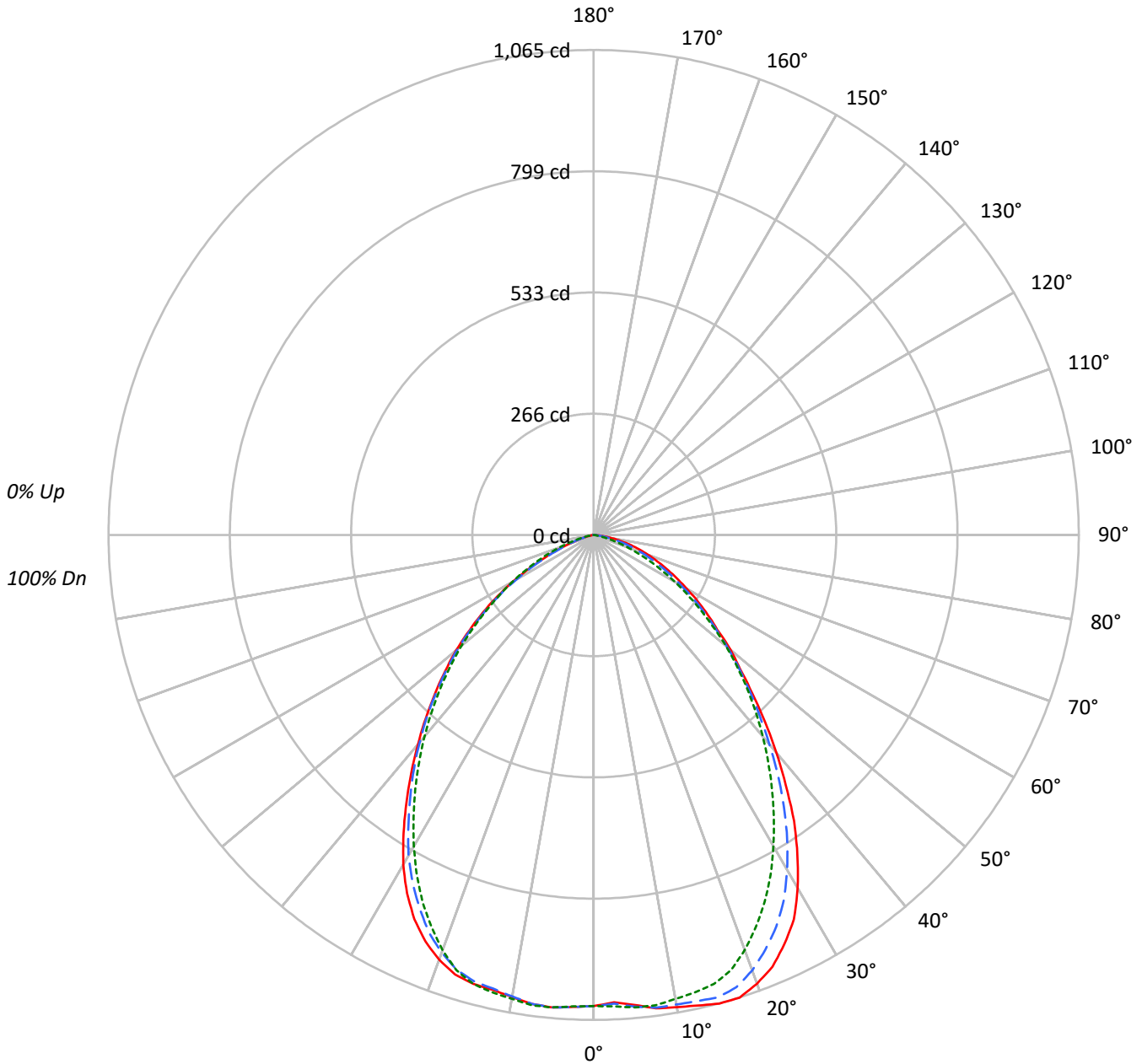
Lumens per Lamp: N/A
Luminaire Lumens: 2088.7 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582062
CATALOG NUMBER: HCC6W25D010BZ-HM60525927-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P582062

CATALOG NUMBER: HCC6W25D010BZ-HM60525927-61RWWC

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	94	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	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	62	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	56717	56717	56717
5°	57011	57319	57319
10°	58605	57592	57353
15°	60466	57923	57923
20°	61174	56594	57901
25°	59949	53761	56308
30°	56705	49963	52888
35°	51317	45695	47937
40°	44648	41327	42930
45°	38151	36849	38151
50°	33483	32280	33594
55°	29208	27201	28271
60°	25831	22597	22279
65°	22921	17810	15280
70°	20228	12598	9216
75°	17220	7138	4469
80°	12817	2210	1357
85°	7108	881	881



TEST NUMBER: P582062
 CATALOG NUMBER: HCC6W25D010BZ-HM60525927-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	4.8
10°-20°	290.3	13.9
20°-30°	424.1	20.3
30°-40°	444.7	21.3
40°-50°	374.7	17.9
50°-60°	262.5	12.6
60°-70°	140.7	6.7
70°-80°	47.2	2.3
80°-90°	5.2	0.2
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°	813.6	39.0
0°-40°	1258.4	60.2
0°-60°	1895.6	90.8
0°-90°	2088.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1035	1035	1035	1035	1035	
5°	1036	1040	1042	1042	1042	100
15°	1065	1051	1021	1015	1021	301
25°	991	949	889	904	931	454
35°	767	728	683	702	716	476
45°	492	484	475	488	492	383
55°	306	296	285	290	296	275
65°	177	161	137	114	118	176
75°	81	63	34	21	21	86
85°	11	6	1	1	1	15
90°	0	0	0	0	0	



TEST NUMBER: P582062

CATALOG NUMBER: HCC6W25D010BZ-HM60525927-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1034.6	1034.6	1034.6	1034.6	1034.6	1034.6	1034.6	1034.6	1034.6
2.5°	1027.6	1027.6	1030.3	1033.1	1036.0	1036.0	1037.4	1038.7	1037.4
5°	1036.0	1036.0	1040.1	1041.6	1041.6	1040.1	1041.6	1041.6	1041.6
7.5°	1048.6	1045.8	1047.1	1044.4	1041.6	1040.1	1038.7	1038.7	1038.7
10°	1052.8	1050.0	1047.1	1041.6	1034.6	1030.3	1029.0	1030.3	1030.3
12.5°	1058.4	1055.5	1048.6	1037.4	1029.0	1021.9	1020.6	1023.3	1023.3
15°	1065.4	1062.5	1051.4	1033.1	1020.6	1013.6	1014.9	1017.7	1020.6
17.5°	1065.4	1059.8	1041.6	1017.7	1002.3	995.3	1000.9	1007.9	1012.2
20°	1048.6	1043.0	1017.7	988.2	970.1	965.8	975.7	988.2	992.5
22.5°	1026.2	1014.9	985.5	950.4	930.9	930.9	944.9	960.3	965.8
25°	991.1	982.7	949.0	908.4	888.8	887.4	904.2	925.2	930.9
27.5°	951.9	940.6	904.2	862.2	841.1	842.5	860.7	881.7	887.4
30°	895.8	881.7	849.5	808.8	789.3	794.9	813.1	828.5	835.5
32.5°	832.7	820.1	790.6	752.8	736.0	741.5	756.9	771.0	776.6
35°	766.8	752.8	727.6	693.9	682.8	688.3	702.3	713.6	716.3
37.5°	692.5	682.8	664.5	637.8	629.4	636.4	647.7	654.7	657.4
40°	623.9	615.3	599.9	580.4	577.5	583.1	594.4	598.6	599.9
42.5°	556.6	549.6	539.7	525.6	525.6	531.3	541.2	543.9	545.3
45°	492.1	487.8	483.7	472.4	475.3	482.3	487.8	492.1	492.1
47.5°	435.9	437.4	431.8	423.4	426.1	433.2	437.4	441.6	441.6
50°	392.6	388.3	382.7	374.3	378.5	384.0	389.7	392.6	393.9
52.5°	342.1	340.7	336.4	326.7	329.4	332.3	337.8	342.1	343.4
55°	305.6	301.3	295.8	284.6	284.6	287.4	290.2	293.0	295.8
57.5°	270.5	266.4	258.0	245.3	244.0	244.0	242.6	245.3	249.5
60°	235.6	234.1	221.5	210.3	206.1	201.9	196.2	197.6	203.2
62.5°	204.6	201.9	190.7	176.7	168.3	161.3	154.2	152.7	158.4
65°	176.7	173.8	161.3	147.2	137.3	124.8	113.5	113.5	117.8
67.5°	151.4	145.8	134.6	119.2	106.5	91.1	79.9	82.7	84.1
70°	126.2	121.9	109.4	94.0	78.6	63.0	56.1	57.5	57.5
72.5°	103.7	98.1	85.5	70.0	54.6	40.6	37.8	36.5	36.5
75°	81.3	75.7	63.0	47.6	33.7	23.8	21.1	21.1	21.1
77.5°	58.9	54.6	43.5	29.4	18.2	11.3	9.8	8.4	8.4
80°	40.6	36.5	26.7	15.4	7.0	4.3	4.3	4.3	4.3
82.5°	23.8	19.7	12.7	7.0	2.8	1.4	1.4	1.4	1.4
85°	11.3	8.4	5.6	2.8	1.4	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	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)