

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: P582861

Luminaire Tested: **HCC6W05D010SL-HM60525827-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582861
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: HCC6W05D010SL-HM60525827-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

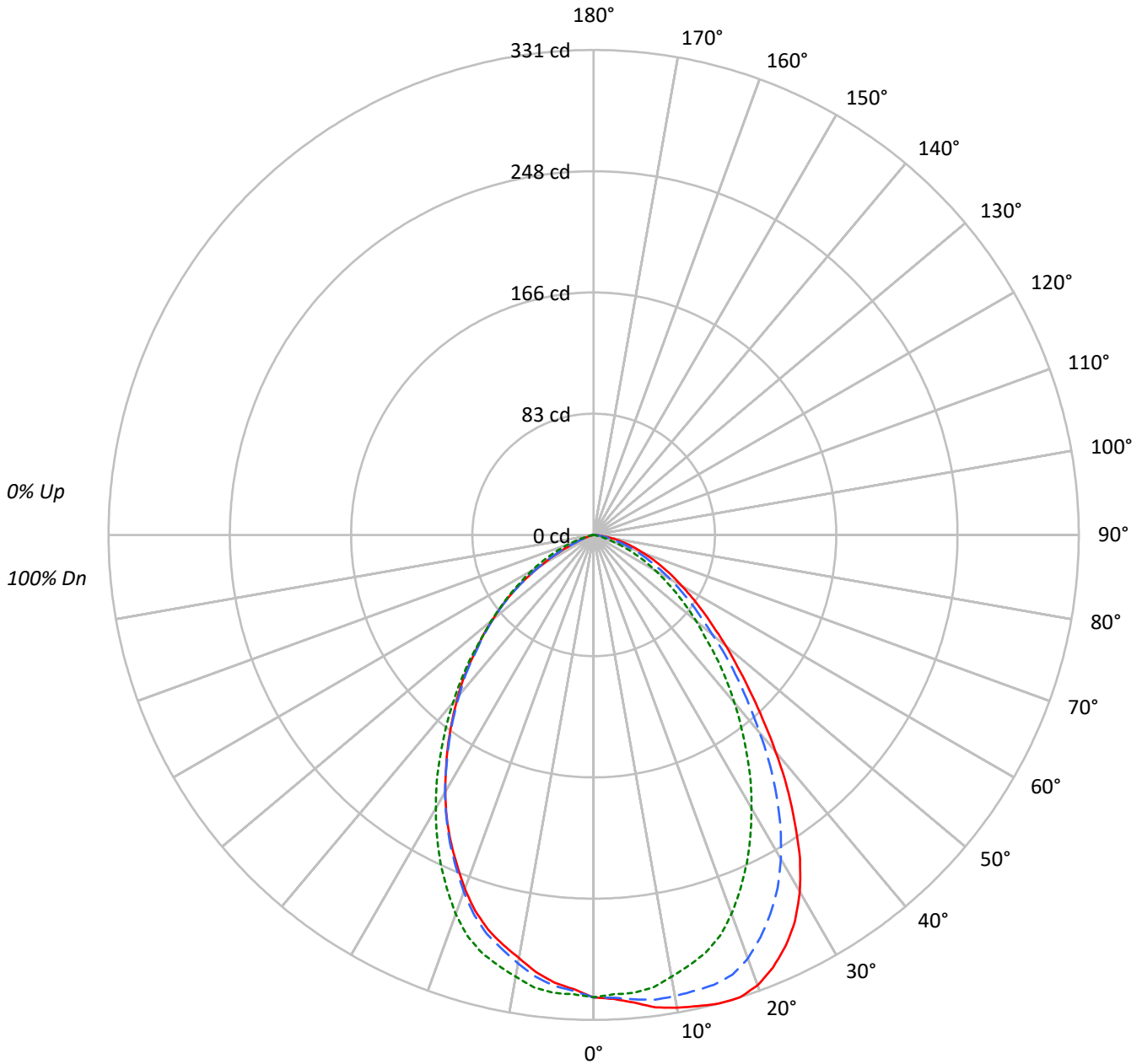
Lumens per Lamp: N/A
Luminaire Lumens: 562.4 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582861
CATALOG NUMBER: HCC6W05D010SL-HM60525827-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P582861

CATALOG NUMBER: HCC6W05D010SL-HM60525827-61WWBB

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°	17301	17301	17301
5°	17637	17268	16878
10°	18236	17045	16327
15°	18791	16754	15823
20°	19082	16055	14993
25°	18739	14952	13967
30°	17813	13629	12812
35°	16008	12180	11558
40°	13819	10677	10326
45°	11707	9187	8947
50°	10030	7761	7684
55°	8697	6537	6279
60°	7598	5307	4473
65°	6680	4086	2478
70°	5754	2693	1218
75°	4893	1313	487
80°	3788	568	284
85°	2201	314	314



TEST NUMBER: P582861
 CATALOG NUMBER: HCC6W05D010SL-HM60525827-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	5.3
10°-20°	84.2	15.0
20°-30°	118.6	21.1
30°-40°	121.2	21.5
40°-50°	97.7	17.4
50°-60°	65.5	11.6
60°-70°	33.2	5.9
70°-80°	10.6	1.9
80°-90°	1.7	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°	232.6	41.4
0°-40°	353.8	62.9
0°-60°	517.0	91.9
0°-90°	562.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	316	316	316	316	316	
5°	320	318	314	309	307	31
15°	331	318	295	282	279	93
25°	310	285	247	232	231	142
35°	239	218	182	172	173	149
45°	151	139	118	114	115	117
55°	91	81	68	65	66	82
65°	52	43	32	21	19	51
75°	23	16	6	2	2	25
85°	4	2	0	0	0	5
90°	0	0	0	0	0	

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



TEST NUMBER: P582861

CATALOG NUMBER: HCC6W05D010SL-HM60525827-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	315.6	315.6	315.6	315.6	315.6	315.6	315.6	315.6	315.6
2.5°	317.0	316.5	316.1	315.2	313.8	312.4	311.5	310.7	310.3
5°	320.5	319.6	318.2	316.5	313.8	310.7	308.9	307.1	306.7
7.5°	325.3	323.6	320.0	316.1	311.5	307.1	304.1	302.3	300.9
10°	327.6	324.4	319.6	312.9	306.2	300.9	297.0	294.3	293.3
12.5°	329.4	325.8	318.7	309.8	300.9	293.8	289.4	287.1	286.3
15°	331.1	327.6	317.8	306.2	295.2	286.8	281.8	279.7	278.8
17.5°	331.1	326.2	314.7	300.0	286.8	276.5	271.7	269.4	268.9
20°	327.1	321.8	307.6	290.3	275.2	263.6	259.2	257.9	257.0
22.5°	319.6	313.3	297.4	277.9	261.5	250.3	245.4	244.5	243.7
25°	309.8	303.6	285.4	264.5	247.2	236.2	232.1	231.3	230.9
27.5°	297.4	290.7	271.7	250.3	231.6	221.0	217.5	217.5	217.1
30°	281.4	273.9	255.3	233.9	215.3	205.5	202.8	202.8	202.4
32.5°	261.9	254.4	237.5	217.1	199.3	189.0	186.9	187.8	187.4
35°	239.2	233.0	217.5	197.5	182.0	172.7	171.8	172.7	172.7
37.5°	216.6	210.9	197.5	180.2	165.5	157.2	157.2	158.4	158.0
40°	193.1	188.6	176.2	161.1	149.2	143.4	142.5	143.8	144.3
42.5°	170.9	167.4	156.7	144.3	133.6	127.8	129.2	130.1	130.5
45°	151.0	147.4	138.9	126.1	118.5	114.5	114.5	115.8	115.4
47.5°	133.1	130.5	122.0	109.6	102.9	101.2	102.0	102.9	102.9
50°	117.6	113.7	105.7	95.8	91.0	88.8	89.6	90.1	90.1
52.5°	102.9	100.3	92.3	83.4	79.0	77.6	77.6	78.1	78.1
55°	91.0	87.9	80.8	71.9	68.4	66.6	65.2	64.7	65.7
57.5°	79.4	76.8	70.2	61.7	57.7	55.9	53.2	52.4	53.2
60°	69.3	67.0	60.3	52.4	48.4	44.9	41.7	40.0	40.8
62.5°	60.3	57.7	51.1	44.4	40.0	35.9	31.1	28.4	29.7
65°	51.5	49.3	42.6	35.9	31.5	26.7	20.9	19.1	19.1
67.5°	43.5	41.2	35.0	29.3	24.0	18.2	12.9	12.4	12.9
70°	35.9	33.8	28.4	22.6	16.8	11.1	7.6	7.6	7.6
72.5°	29.7	27.1	22.1	16.4	10.6	5.8	4.0	4.4	4.4
75°	23.1	20.9	16.4	11.1	6.2	2.7	2.3	2.3	2.3
77.5°	17.3	15.5	11.5	7.1	3.1	0.9	0.9	0.9	0.9
80°	12.0	10.2	7.6	4.4	1.8	0.9	0.9	0.9	0.9
82.5°	7.1	6.2	4.4	2.3	0.9	0.5	0.5	0.5	0.5
85°	3.5	3.1	1.8	0.9	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.5	0.5	0.0	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified
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)