

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: P583349

Luminaire Tested: **HCC6S07D010SL-HM60525840-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S07D010SL-HM60525840-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

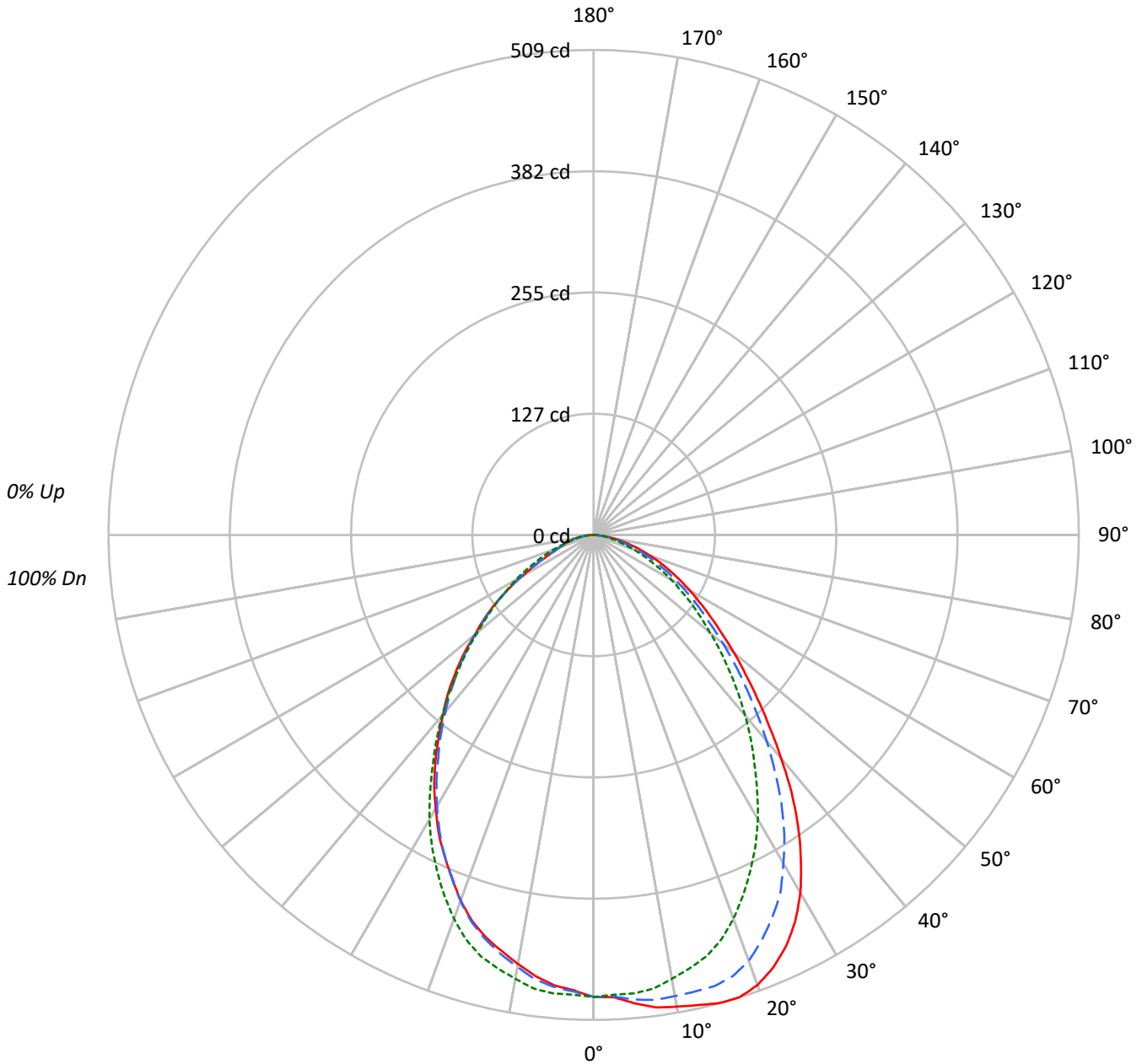
Lumens per Lamp: N/A
Luminaire Lumens: 949.7 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P583349
CATALOG NUMBER: HCC6S07D010SL-HM60525840-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P583349

CATALOG NUMBER: HCC6S07D010SL-HM60525840-61WWWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	26582	26582	26582
5°	27157	26579	26106
10°	27989	26330	25450
15°	28876	25976	24813
20°	29333	25004	23808
25°	28852	23517	22435
30°	27466	21807	20972
35°	25049	19682	19374
40°	21898	17683	17583
45°	18847	15568	15924
50°	16392	13560	13850
55°	14308	11899	12033
60°	12707	10306	9440
65°	11350	8691	7212
70°	9986	7117	6043
75°	8557	5613	5761
80°	6914	4799	5651
85°	4592	4151	4969



TEST NUMBER: P583349
 CATALOG NUMBER: HCC6S07D010SL-HM60525840-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	4.8
10°-20°	130.7	13.8
20°-30°	186.6	19.6
30°-40°	195.4	20.6
40°-50°	164.6	17.3
50°-60°	117.1	12.3
60°-70°	68.6	7.2
70°-80°	32.4	3.4
80°-90°	8.3	0.9
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°	363.2	38.2
0°-40°	558.7	58.8
0°-60°	840.3	88.5
0°-90°	949.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	485	485	485	485	485	
5°	494	490	483	476	474	47
15°	509	490	458	439	437	144
25°	477	443	389	370	371	218
35°	374	343	294	284	290	232
45°	243	225	201	201	205	189
55°	150	137	124	124	126	135
65°	88	78	67	56	56	87
75°	40	34	26	26	27	43
85°	7	6	7	8	8	9
90°	0	0	0	0	0	

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



TEST NUMBER: P583349

CATALOG NUMBER: HCC6S07D010SL-HM60525840-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9
2.5°	485.6	485.6	484.9	484.2	483.0	481.0	479.6	478.4	478.4
5°	493.5	492.2	489.6	486.3	483.0	479.0	476.3	474.4	474.4
7.5°	500.2	497.5	492.2	486.3	480.3	475.0	470.4	467.7	467.0
10°	502.8	499.5	491.6	482.3	473.0	465.8	460.5	457.2	457.2
12.5°	505.4	501.5	490.9	477.7	465.8	455.8	450.5	447.9	447.2
15°	508.8	503.5	490.2	473.7	457.7	446.5	439.3	437.2	437.2
17.5°	508.8	502.1	485.6	465.1	445.2	432.6	426.0	424.0	424.6
20°	502.8	495.6	475.6	450.5	428.6	415.4	408.8	407.4	408.1
22.5°	491.6	483.0	460.5	433.3	409.5	395.5	389.5	389.5	388.8
25°	477.0	467.7	443.2	414.7	388.8	375.0	370.4	370.9	370.9
27.5°	457.7	448.6	424.0	393.5	367.7	353.7	350.4	351.8	352.5
30°	433.9	424.0	398.1	368.3	344.5	330.6	328.6	330.6	331.3
32.5°	404.8	397.5	372.3	341.8	319.3	307.4	306.7	308.7	311.3
35°	374.3	366.4	343.2	315.3	294.1	284.2	284.2	287.6	289.5
37.5°	341.1	333.2	312.0	288.8	271.0	261.7	263.0	266.4	266.9
40°	306.0	300.1	282.2	262.4	247.1	239.9	241.8	245.1	245.7
42.5°	272.9	267.6	253.1	235.2	223.9	218.7	221.3	225.2	226.6
45°	243.1	237.1	225.2	210.1	200.8	198.0	201.4	204.1	205.4
47.5°	215.9	210.6	200.8	186.8	180.1	178.9	182.2	183.5	184.8
50°	192.2	186.8	176.9	164.3	159.0	159.0	161.7	162.9	162.4
52.5°	168.9	164.3	155.0	144.5	141.1	141.1	143.1	143.8	145.1
55°	149.7	145.1	137.1	127.2	124.5	123.3	124.5	124.5	125.9
57.5°	131.9	127.9	120.6	111.3	108.0	106.6	106.0	105.4	106.6
60°	115.9	112.6	104.7	96.8	94.0	90.8	88.1	85.4	86.1
62.5°	101.4	98.0	90.8	82.8	80.2	75.6	72.2	68.9	70.2
65°	87.5	84.2	77.5	70.9	67.0	61.6	56.3	54.3	55.6
67.5°	74.9	72.2	65.6	58.9	55.6	49.7	44.4	44.4	45.1
70°	62.3	59.6	54.3	48.4	44.4	39.1	37.0	37.7	37.7
72.5°	51.0	49.1	43.7	38.4	34.4	31.2	31.2	31.8	32.5
75°	40.4	39.1	33.8	29.1	26.5	24.5	25.8	26.5	27.2
77.5°	31.2	29.1	25.2	21.9	19.8	20.5	21.9	22.5	23.2
80°	21.9	21.2	17.9	15.9	15.2	15.9	17.2	17.9	17.9
82.5°	13.9	13.3	11.2	10.7	10.7	11.2	12.6	12.6	12.6
85°	7.3	6.6	6.0	6.0	6.6	7.3	7.9	7.9	7.9
87.5°	2.6	2.0	2.6	2.6	3.3	3.3	3.3	3.3	3.3
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)