

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: P581765

Luminaire Tested: **HCC6S15D010SL-HM60525840-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581765
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: HCC6S15D010SL-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

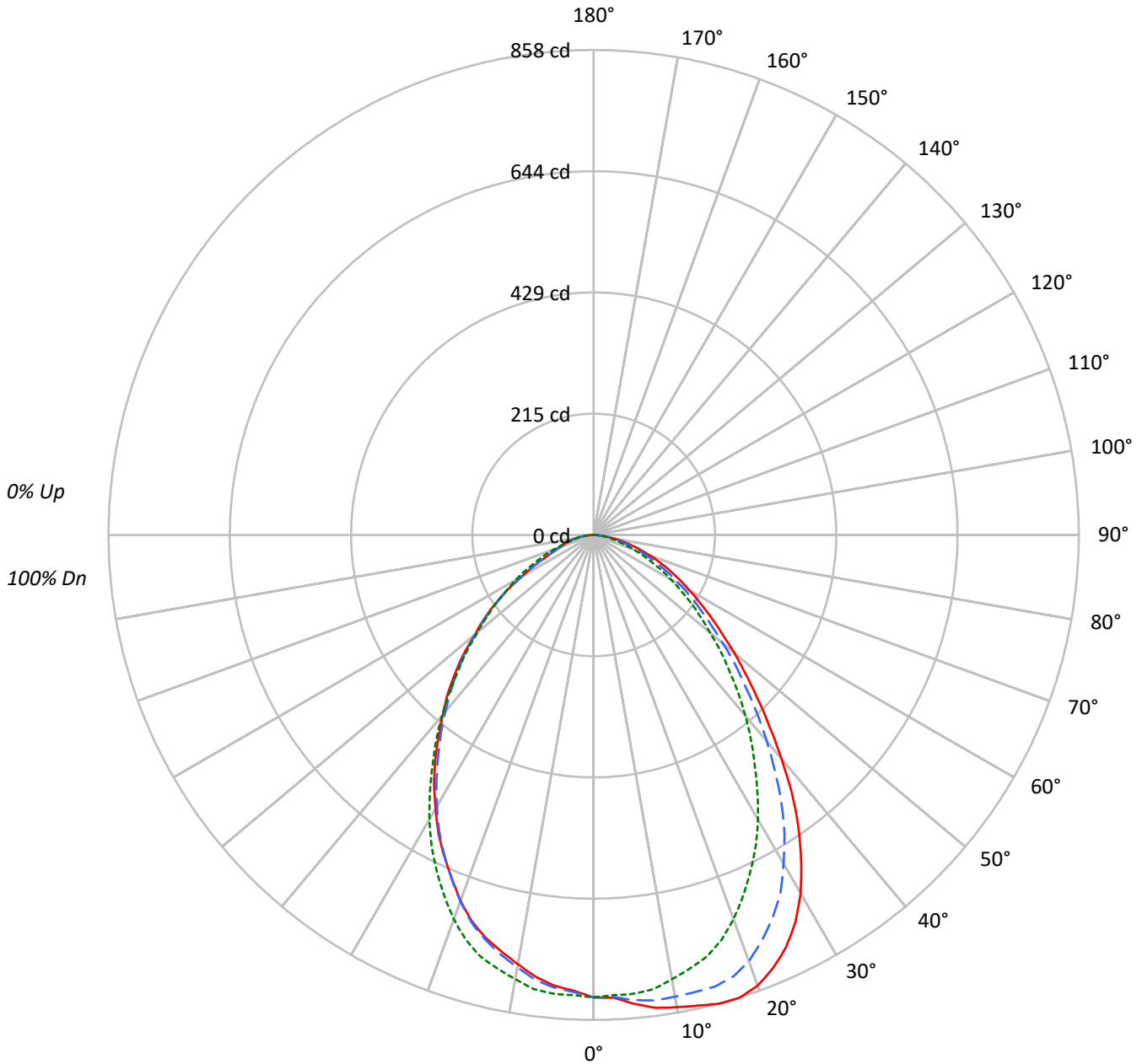
Lumens per Lamp: N/A
Luminaire Lumens: 1602.6 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581765
CATALOG NUMBER: HCC6S15D010SL-HM60525840-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581765

CATALOG NUMBER: HCC6S15D010SL-HM60525840-61WWWB

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	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°	44859	44859	44859
5°	45834	44844	44046
10°	47232	44432	42935
15°	48723	43842	41879
20°	49500	42196	40172
25°	48686	39698	37871
30°	46349	36797	35385
35°	42269	33214	32692
40°	36955	29842	29677
45°	31810	26259	26863
50°	27649	22882	23360
55°	24152	20090	20300
60°	21457	17411	15931
65°	19146	14645	12180
70°	16846	12005	10210
75°	14445	9468	9722
80°	11649	8145	9534
85°	7737	6982	8428



TEST NUMBER: P581765
 CATALOG NUMBER: HCC6S15D010SL-HM60525840-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	4.8
10°-20°	220.6	13.8
20°-30°	314.9	19.6
30°-40°	329.8	20.6
40°-50°	277.7	17.3
50°-60°	197.6	12.3
60°-70°	115.7	7.2
70°-80°	54.7	3.4
80°-90°	14.1	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°	612.9	38.2
0°-40°	942.7	58.8
0°-60°	1418.1	88.5
0°-90°	1602.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1602.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	818	818	818	818	818	
5°	833	826	815	804	800	80
15°	858	827	772	741	738	242
25°	805	748	656	625	626	368
35°	632	579	496	480	488	392
45°	410	380	339	340	346	319
55°	253	231	210	210	212	228
65°	148	131	113	95	94	147
75°	68	57	45	44	46	73
85°	12	10	11	13	13	16
90°	0	0	0	0	0	

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



TEST NUMBER: P581765

CATALOG NUMBER: HCC6S15D010SL-HM60525840-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3	818.3
2.5°	819.5	819.5	818.3	817.2	814.9	811.6	809.4	807.1	807.1
5°	832.9	830.6	826.2	820.6	814.9	808.2	803.8	800.4	800.4
7.5°	844.0	839.6	830.6	820.6	810.5	801.5	793.7	789.3	788.1
10°	848.5	843.0	829.5	813.8	798.2	785.9	776.9	771.3	771.3
12.5°	853.0	846.3	828.4	806.1	785.9	769.2	760.2	755.7	754.5
15°	858.5	849.7	827.3	799.3	772.5	753.5	741.2	737.9	737.9
17.5°	858.5	847.4	819.5	784.7	751.3	730.0	718.8	715.5	716.6
20°	848.5	836.2	802.7	760.2	723.3	701.0	689.7	687.5	688.6
22.5°	829.5	814.9	776.9	731.2	690.9	667.4	657.4	657.4	656.3
25°	804.9	789.3	747.9	699.8	656.3	632.8	624.9	626.1	626.1
27.5°	772.5	756.8	715.5	664.1	620.5	597.0	591.3	593.6	594.7
30°	732.2	715.5	671.9	621.5	581.3	557.9	554.4	557.9	559.0
32.5°	683.0	670.8	628.2	576.8	538.8	518.7	517.6	521.0	525.4
35°	631.6	618.2	579.1	532.1	496.3	479.5	479.5	485.2	488.5
37.5°	575.8	562.3	526.5	487.4	457.2	441.6	443.8	449.5	450.5
40°	516.4	506.4	476.2	442.6	417.0	404.7	408.0	413.6	414.7
42.5°	460.6	451.6	427.1	396.9	377.8	368.9	373.4	380.1	382.4
45°	410.3	400.2	380.1	354.3	338.7	334.3	339.8	344.4	346.5
47.5°	364.4	355.5	338.7	315.3	304.1	301.8	307.5	309.6	311.9
50°	324.2	315.3	298.5	277.3	268.3	268.3	272.7	275.0	273.9
52.5°	285.1	277.3	261.6	243.7	238.1	238.1	241.5	242.5	244.8
55°	252.7	244.8	231.4	214.6	210.2	207.9	210.2	210.2	212.4
57.5°	222.5	215.8	203.5	187.8	182.2	180.0	178.9	177.7	180.0
60°	195.7	190.0	176.6	163.2	158.8	153.1	148.7	144.3	145.3
62.5°	171.0	165.5	153.1	139.7	135.3	127.5	121.9	116.2	118.5
65°	147.6	142.0	130.8	119.6	112.9	104.0	95.0	91.7	93.9
67.5°	126.3	121.9	110.7	99.5	93.9	83.9	74.9	74.9	76.0
70°	105.1	100.6	91.7	81.6	74.9	65.9	62.7	63.7	63.7
72.5°	86.0	82.7	73.8	64.8	58.1	52.6	52.6	53.7	54.8
75°	68.2	65.9	57.0	49.1	44.7	41.3	43.6	44.7	45.9
77.5°	52.6	49.1	42.4	36.9	33.5	34.6	36.9	38.0	39.2
80°	36.9	35.8	30.2	26.8	25.8	26.8	29.1	30.2	30.2
82.5°	23.5	22.4	19.0	17.9	17.9	19.0	21.2	21.2	21.2
85°	12.3	11.1	10.1	10.1	11.1	12.3	13.4	13.4	13.4
87.5°	4.4	3.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6
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)