

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: P581836

Luminaire Tested: **HCC6S15D010MW-HM60525940-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S15D010MW-HM60525940-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

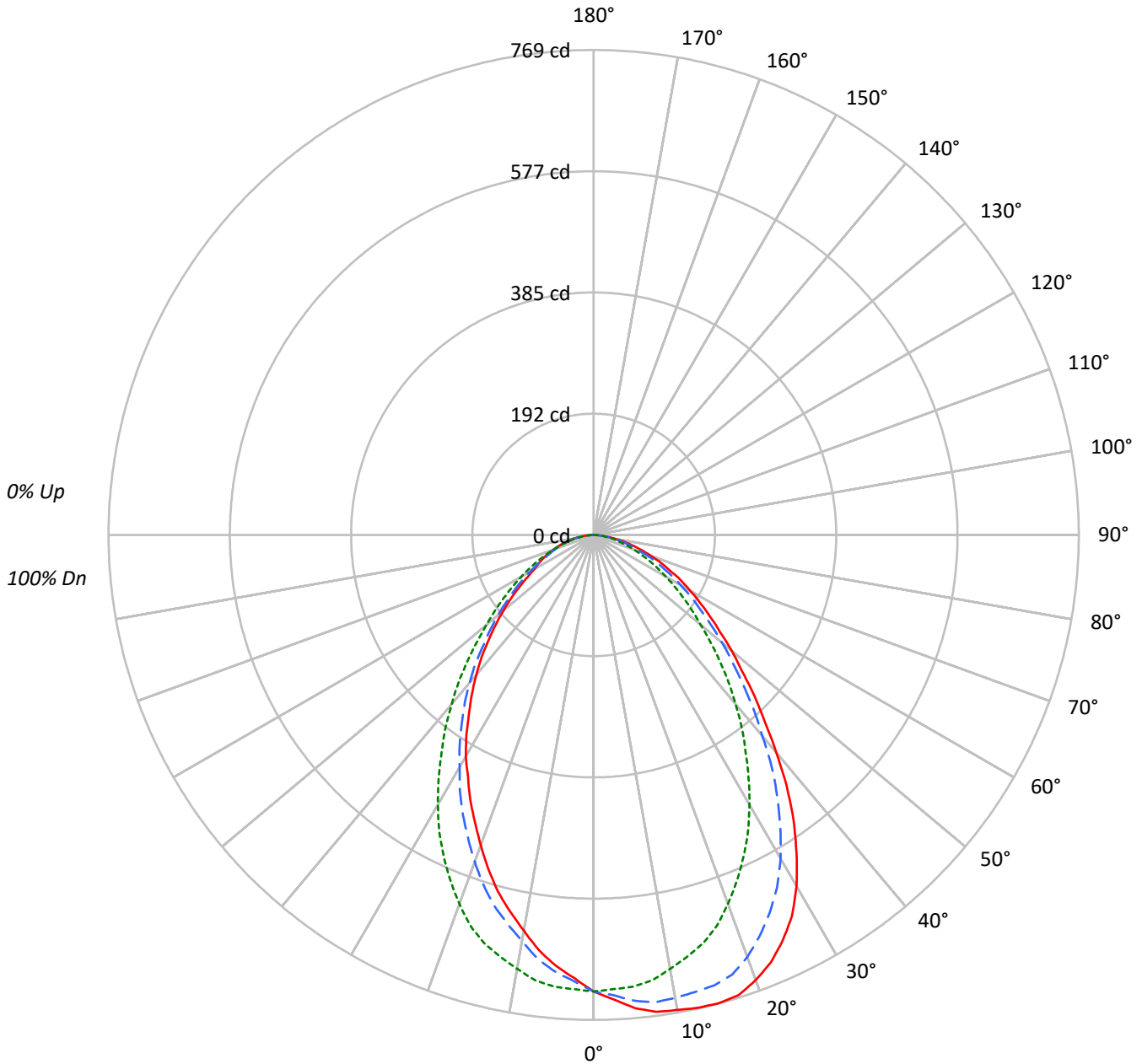
Lumens per Lamp: N/A
Luminaire Lumens: 1348.5 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581836
CATALOG NUMBER: HCC6S15D010MW-HM60525940-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P581836

CATALOG NUMBER: HCC6S15D010MW-HM60525940-61WWW

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	39684	39684	39684
5°	41448	39566	37745
10°	42579	38888	35470
15°	43627	38042	33229
20°	43818	36316	30523
25°	42904	34006	27988
30°	40709	31271	25656
35°	36968	28108	23015
40°	32210	25033	20710
45°	27879	21901	18203
50°	24349	18865	15948
55°	21514	16573	13686
60°	19341	14527	11863
65°	17317	12634	11493
70°	15467	10771	10771
75°	13408	9087	10124
80°	10734	7703	9250
85°	7359	6730	7988



TEST NUMBER: P581836

CATALOG NUMBER: HCC6S15D010MW-HM60525940-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	5.0
10°-20°	189.1	14.0
20°-30°	263.6	19.5
30°-40°	271.6	20.1
40°-50°	225.1	16.7
50°-60°	161.7	12.0
60°-70°	103.0	7.6
70°-80°	52.9	3.9
80°-90°	13.5	1.0
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°	520.7	38.6
0°-40°	792.3	58.8
0°-60°	1179.1	87.4
0°-90°	1348.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	724	724	724	724	724	
5°	753	742	719	696	686	72
15°	769	740	670	609	586	217
25°	709	661	562	490	463	325
35°	552	508	420	364	344	343
45°	360	334	282	246	235	278
55°	225	207	173	154	143	203
65°	134	119	97	85	89	134
75°	63	55	43	45	48	68
85°	12	11	11	12	13	15
90°	0	0	0	0	0	

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



TEST NUMBER: P581836

CATALOG NUMBER: HCC6S15D010MW-HM60525940-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9
2.5°	737.5	734.6	730.7	726.9	721.0	714.1	708.4	706.4	703.5
5°	753.2	749.2	741.5	731.7	719.0	706.4	695.6	688.8	685.9
7.5°	762.8	758.1	747.3	730.7	712.2	693.7	678.2	668.4	664.4
10°	764.9	760.0	745.4	722.9	698.6	673.3	653.8	642.1	637.2
12.5°	767.7	760.9	742.4	716.1	685.0	655.7	631.4	616.8	611.9
15°	768.7	760.9	739.5	707.3	670.3	635.3	608.9	591.4	585.5
17.5°	764.9	756.0	730.7	691.8	649.9	612.8	581.7	563.2	555.4
20°	751.1	741.5	712.2	668.4	622.5	583.6	551.5	532.0	523.2
22.5°	733.7	721.0	687.8	641.0	593.4	552.4	520.3	500.8	492.0
25°	709.3	697.6	660.6	610.9	562.2	519.3	490.1	469.7	462.7
27.5°	681.0	667.4	629.4	579.8	530.0	487.1	458.9	440.4	431.6
30°	643.1	630.4	592.4	542.6	494.0	454.0	424.8	409.2	405.3
32.5°	598.3	587.5	550.5	503.7	457.0	420.0	395.5	379.0	375.1
35°	552.4	539.8	507.6	463.8	420.0	386.8	364.3	349.8	343.9
37.5°	502.7	491.0	463.8	424.8	385.8	354.7	335.2	322.5	316.7
40°	450.1	441.4	416.0	384.9	349.8	322.5	305.9	295.2	289.4
42.5°	401.4	392.6	375.1	345.8	316.7	292.3	277.6	268.0	263.1
45°	359.6	351.7	334.1	308.8	282.5	262.1	246.5	239.7	234.8
47.5°	317.6	313.7	298.2	274.8	250.4	232.9	222.1	214.4	210.4
50°	285.5	280.6	265.9	241.6	221.2	207.5	197.8	191.0	187.0
52.5°	252.3	247.4	233.8	213.4	196.8	184.1	174.4	168.5	164.7
55°	225.1	221.2	206.6	188.1	173.4	162.8	153.9	147.1	143.2
57.5°	199.8	195.8	182.2	164.7	152.0	142.2	134.5	128.6	123.7
60°	176.4	173.4	159.8	143.2	132.5	122.8	116.0	111.1	108.2
62.5°	155.8	150.0	138.4	123.7	114.0	106.2	99.4	96.5	98.4
65°	133.5	130.5	118.8	106.2	97.4	89.7	84.8	86.7	88.6
67.5°	115.0	111.1	101.4	89.7	81.8	76.0	73.1	77.0	78.0
70°	96.5	92.5	83.8	74.0	67.2	63.3	63.3	66.3	67.2
72.5°	78.9	76.0	68.2	60.4	55.5	52.7	54.6	56.5	57.4
75°	63.3	60.4	54.6	47.8	42.9	42.9	44.8	46.8	47.8
77.5°	48.7	46.8	41.0	36.1	34.0	34.0	36.1	37.0	38.0
80°	34.0	32.1	29.3	26.3	24.4	26.3	28.3	28.3	29.3
82.5°	22.4	21.5	19.5	17.6	17.6	18.5	19.5	20.4	20.4
85°	11.7	11.7	10.7	9.8	10.7	11.7	11.7	12.7	12.7
87.5°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	4.9
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)