

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: P582916

Luminaire Tested: **HCC6S05D010SL-HM60525840-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582916
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: HCC6S05D010SL-HM60525840-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

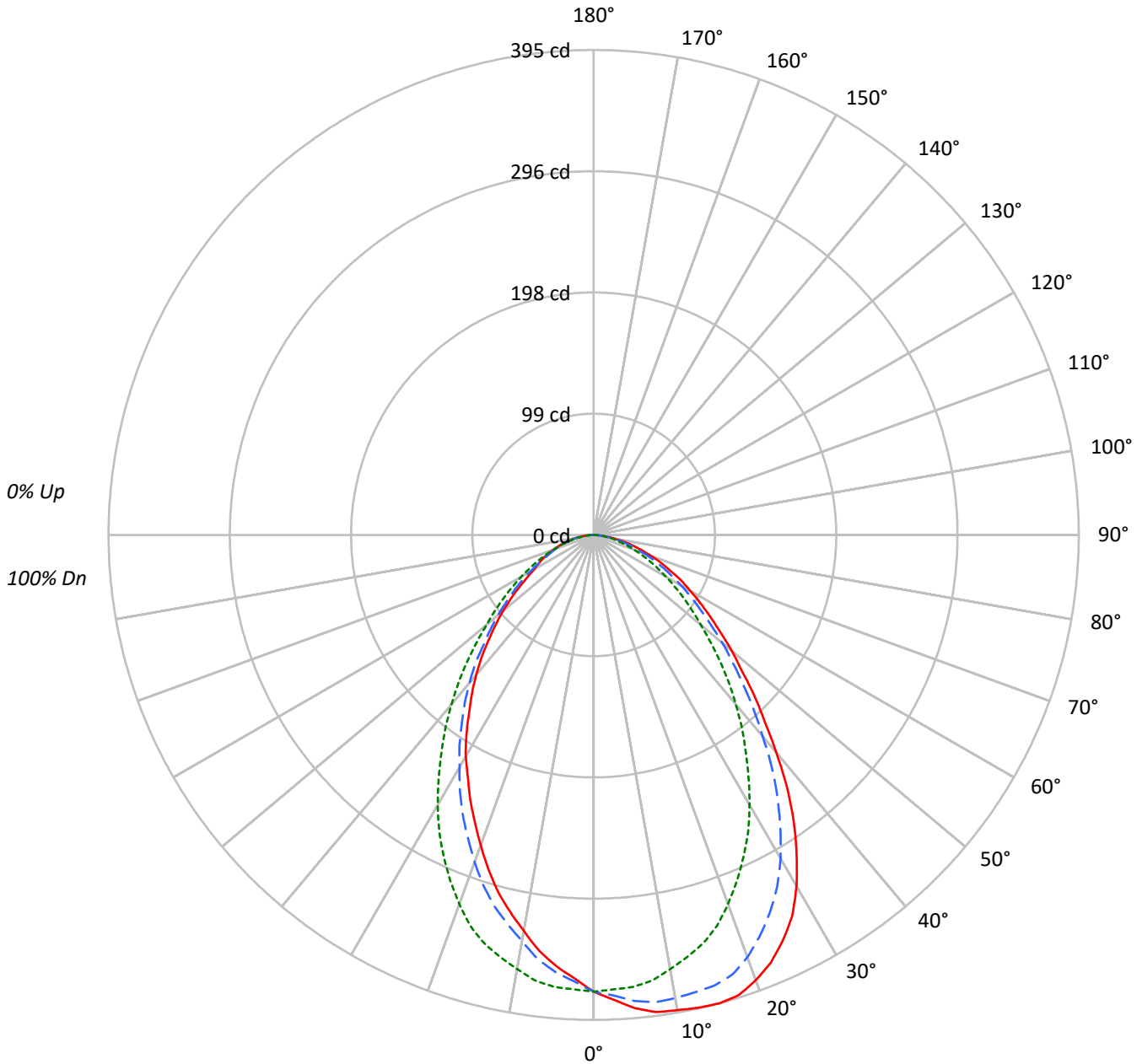
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582916
CATALOG NUMBER: HCC6S05D010SL-HM60525840-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582916

CATALOG NUMBER: HCC6S05D010SL-HM60525840-61WWW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20393	20393	20393
5°	21296	20333	19392
10°	21877	19984	18231
15°	22418	19546	17077
20°	22519	18662	15681
25°	22048	17469	14390
30°	20915	16066	13186
35°	18999	14442	11825
40°	16552	12867	10641
45°	14327	11257	9358
50°	12511	9697	8204
55°	11049	8525	7034
60°	9933	7467	6096
65°	8898	6499	5902
70°	7950	5546	5546
75°	6884	4660	5189
80°	5525	3946	4735
85°	3774	3459	4151



TEST NUMBER: P582916

CATALOG NUMBER: HCC6S05D010SL-HM60525840-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	5.0
10°-20°	97.2	14.0
20°-30°	135.4	19.5
30°-40°	139.6	20.1
40°-50°	115.7	16.7
50°-60°	83.1	12.0
60°-70°	52.9	7.6
70°-80°	27.2	3.9
80°-90°	6.9	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°	267.6	38.6
0°-40°	407.1	58.8
0°-60°	605.9	87.4
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	387	381	370	357	352	37
15°	395	380	344	313	301	111
25°	364	340	289	252	238	167
35°	284	261	216	187	177	176
45°	185	172	145	127	121	143
55°	116	106	89	79	74	104
65°	69	61	50	44	46	69
75°	32	28	22	23	24	35
85°	6	6	6	6	7	8
90°	0	0	0	0	0	



TEST NUMBER: P582916

CATALOG NUMBER: HCC6S05D010SL-HM60525840-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	372.0	372.0	372.0	372.0	372.0	372.0	372.0	372.0	372.0
2.5°	379.0	377.5	375.5	373.5	370.5	367.0	364.0	363.0	361.5
5°	387.0	385.0	381.0	376.0	369.5	363.0	357.4	353.9	352.4
7.5°	392.0	389.5	384.0	375.5	366.0	356.5	348.5	343.4	341.5
10°	393.0	390.5	383.0	371.5	359.0	346.0	335.9	330.0	327.5
12.5°	394.5	391.0	381.5	368.0	352.0	337.0	324.4	317.0	314.4
15°	395.0	391.0	380.0	363.5	344.4	326.5	312.9	303.9	300.9
17.5°	393.0	388.5	375.5	355.5	333.9	314.9	298.9	289.4	285.3
20°	386.0	381.0	366.0	343.4	319.9	299.9	283.4	273.3	268.8
22.5°	377.0	370.5	353.5	329.4	304.9	283.9	267.4	257.3	252.8
25°	364.5	358.4	339.5	313.9	288.8	266.9	251.9	241.4	237.9
27.5°	350.0	343.0	323.4	297.9	272.3	250.3	235.8	226.3	221.8
30°	330.4	324.0	304.4	278.9	253.8	233.3	218.3	210.3	208.3
32.5°	307.4	301.9	282.8	258.9	234.8	215.8	203.3	194.8	192.8
35°	283.9	277.4	260.8	238.3	215.8	198.8	187.2	179.8	176.7
37.5°	258.3	252.3	238.3	218.3	198.3	182.3	172.2	165.8	162.7
40°	231.3	226.8	213.8	197.7	179.8	165.8	157.2	151.6	148.7
42.5°	206.2	201.8	192.8	177.7	162.7	150.2	142.7	137.6	135.1
45°	184.8	180.7	171.8	158.8	145.2	134.7	126.7	123.2	120.7
47.5°	163.2	161.3	153.2	141.1	128.7	119.7	114.1	110.2	108.1
50°	146.7	144.2	136.7	124.2	113.7	106.7	101.6	98.1	96.2
52.5°	129.7	127.1	120.1	109.6	101.1	94.6	89.6	86.7	84.6
55°	115.6	113.7	106.1	96.6	89.2	83.6	79.1	75.6	73.6
57.5°	102.6	100.7	93.7	84.6	78.1	73.1	69.0	66.1	63.6
60°	90.6	89.2	82.2	73.6	68.1	63.1	59.6	57.1	55.6
62.5°	80.1	77.1	71.1	63.6	58.5	54.6	51.1	49.6	50.5
65°	68.6	67.1	61.1	54.6	50.1	46.1	43.5	44.5	45.5
67.5°	59.1	57.1	52.1	46.1	42.0	39.1	37.5	39.6	40.0
70°	49.6	47.6	43.1	38.1	34.6	32.5	32.5	34.0	34.6
72.5°	40.6	39.1	35.0	31.1	28.6	27.0	28.0	29.0	29.5
75°	32.5	31.1	28.0	24.5	22.0	22.0	23.1	24.1	24.5
77.5°	25.1	24.1	21.0	18.5	17.5	17.5	18.5	19.0	19.5
80°	17.5	16.5	15.0	13.6	12.5	13.6	14.5	14.5	15.0
82.5°	11.5	11.0	10.1	9.0	9.0	9.5	10.1	10.5	10.5
85°	6.0	6.0	5.5	5.0	5.5	6.0	6.0	6.6	6.6
87.5°	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5
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)