

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: P581721

Luminaire Tested: **HCC6W15D010SL-HM60525830-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010SL-HM60525830-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

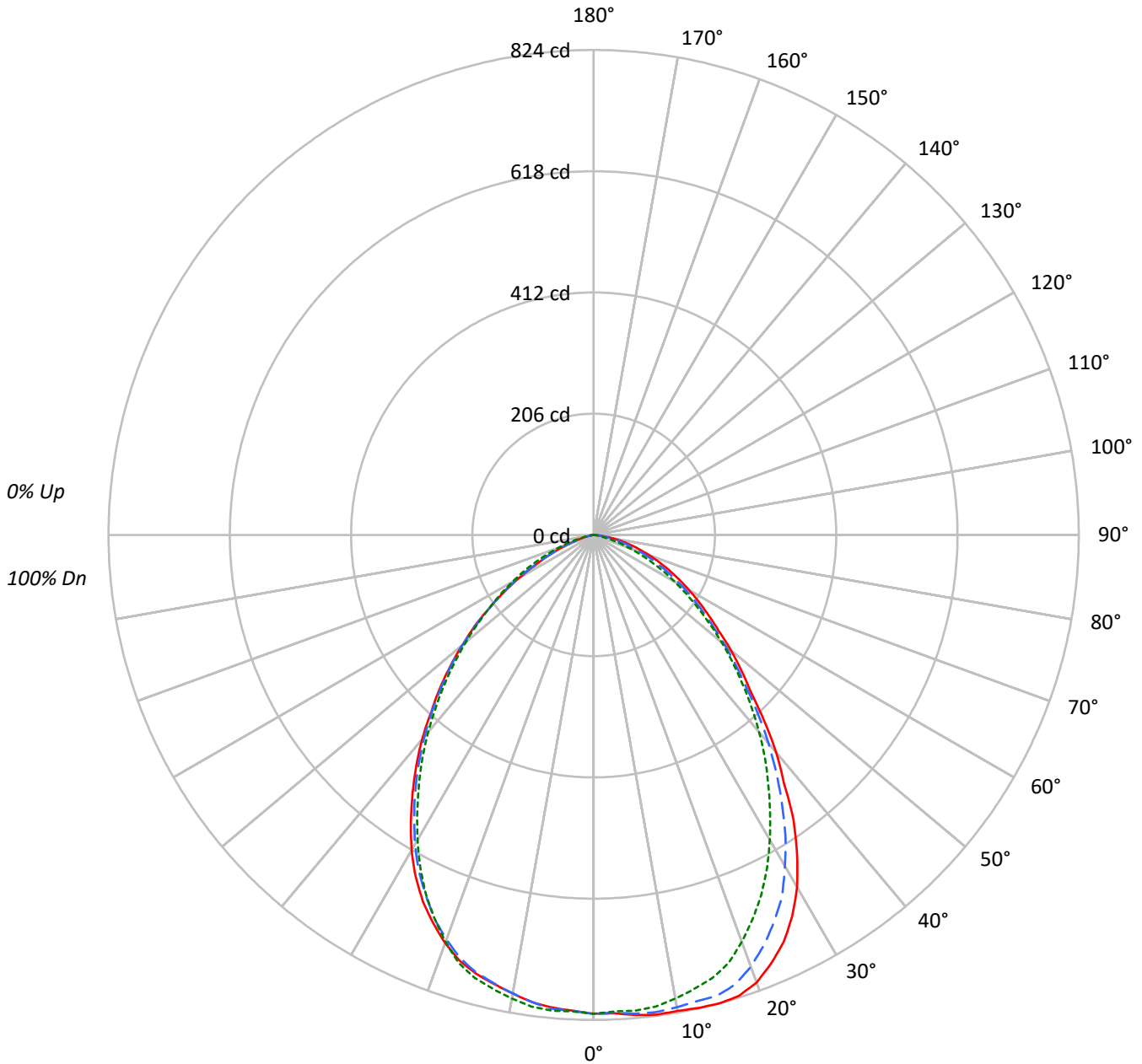
Lumens per Lamp: N/A
Luminaire Lumens: 1594.1 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): 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: P581721
CATALOG NUMBER: HCC6W15D010SL-HM60525830-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581721

CATALOG NUMBER: HCC6W15D010SL-HM60525830-61RWWH

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	44602	44602	44602
5°	45064	44651	44359
10°	45707	44516	44043
15°	46777	44234	43808
20°	47213	42920	43048
25°	46176	40756	41537
30°	43741	37860	39152
35°	39605	34606	35891
40°	34486	31287	32432
45°	29267	27693	28685
50°	25910	24187	24826
55°	22824	20683	20587
60°	20459	17422	16018
65°	18251	13970	11480
70°	16060	10082	7181
75°	13556	6100	4067
80°	10418	2683	1673
85°	6038	629	629



TEST NUMBER: P581721
 CATALOG NUMBER: HCC6W15D010SL-HM60525830-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	4.8
10°-20°	221.9	13.9
20°-30°	320.8	20.1
30°-40°	337.6	21.2
40°-50°	283.8	17.8
50°-60°	199.2	12.5
60°-70°	109.6	6.9
70°-80°	38.9	2.4
80°-90°	5.1	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°	620.0	38.9
0°-40°	957.6	60.1
0°-60°	1440.6	90.4
0°-90°	1594.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	814	814	814	814	814	
5°	819	817	811	808	806	78
15°	824	810	779	770	772	233
25°	763	725	674	675	687	349
35°	592	558	517	528	536	367
45°	378	367	357	366	370	296
55°	239	226	216	216	215	215
65°	141	126	108	88	88	140
75°	64	51	29	19	19	69
85°	10	5	1	1	1	13
90°	0	0	0	0	0	



TEST NUMBER: P581721

CATALOG NUMBER: HCC6W15D010SL-HM60525830-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6
2.5°	813.6	813.6	812.4	812.4	810.4	810.4	809.3	809.3	809.3
5°	818.9	818.9	816.7	813.6	811.4	808.2	808.2	807.2	806.1
7.5°	822.1	821.1	817.8	813.6	808.2	802.9	800.7	801.9	800.7
10°	821.1	818.9	814.6	806.1	799.7	792.2	791.2	790.1	791.2
12.5°	823.1	819.9	811.4	800.7	790.1	781.6	780.5	780.5	781.6
15°	824.2	821.1	810.4	794.4	779.4	770.9	769.9	770.9	771.9
17.5°	821.1	816.7	800.7	779.4	762.4	753.9	753.9	756.0	758.1
20°	809.3	802.9	780.5	754.9	735.7	729.4	731.5	735.7	737.9
22.5°	787.9	780.5	754.9	726.2	705.9	700.5	705.9	711.2	713.3
25°	763.4	754.9	725.0	695.2	673.8	667.5	675.0	683.5	686.7
27.5°	730.4	720.8	693.0	659.0	637.6	634.5	643.0	652.5	654.7
30°	691.0	680.3	649.3	617.3	598.1	597.1	606.7	615.3	618.5
32.5°	643.0	633.3	606.7	574.8	557.6	557.6	567.3	574.8	577.9
35°	591.8	581.1	557.6	531.0	517.1	518.2	527.8	533.1	536.3
37.5°	531.0	527.8	509.6	487.3	477.7	479.8	487.3	491.6	494.7
40°	481.9	473.4	461.7	443.6	437.2	439.2	446.7	451.0	453.2
42.5°	428.7	423.4	413.7	400.9	396.7	399.9	406.2	409.4	408.4
45°	377.5	376.4	366.8	359.3	357.2	361.5	365.7	368.9	370.0
47.5°	340.2	335.8	327.3	322.0	319.8	324.2	328.4	330.5	330.5
50°	303.8	299.6	291.1	285.8	283.6	287.8	291.1	293.2	291.1
52.5°	267.6	263.3	255.9	249.5	248.5	250.6	251.6	252.7	254.8
55°	238.8	234.6	226.1	218.6	216.4	217.5	216.4	216.4	215.4
57.5°	211.1	206.9	198.3	189.8	186.6	185.6	182.3	181.3	180.2
60°	186.6	181.3	172.7	163.1	158.9	154.6	149.3	146.1	146.1
62.5°	163.1	157.8	148.2	139.7	133.2	125.9	117.2	113.0	113.0
65°	140.7	136.4	125.9	116.2	107.7	98.1	88.5	86.4	88.5
67.5°	119.4	115.2	104.5	94.9	84.2	72.5	64.0	64.0	66.1
70°	100.2	95.9	86.4	74.7	62.9	51.2	44.8	44.8	44.8
72.5°	82.1	77.9	67.2	56.5	44.8	33.0	29.9	30.9	29.9
75°	64.0	60.7	51.2	39.5	28.8	20.2	19.2	18.2	19.2
77.5°	48.0	44.8	36.2	25.5	16.0	11.7	10.7	10.7	10.7
80°	33.0	29.9	23.5	15.0	8.5	5.3	5.3	5.3	5.3
82.5°	20.2	17.0	12.8	7.5	3.2	3.2	3.2	3.2	3.2
85°	9.6	7.5	5.3	2.2	1.0	1.0	1.0	1.0	1.0
87.5°	2.2	2.2	1.0	1.0	0.0	1.0	1.0	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)