

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: P581720

Luminaire Tested: **HCC6W15D010MW-HM60525830-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010MW-HM60525830-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

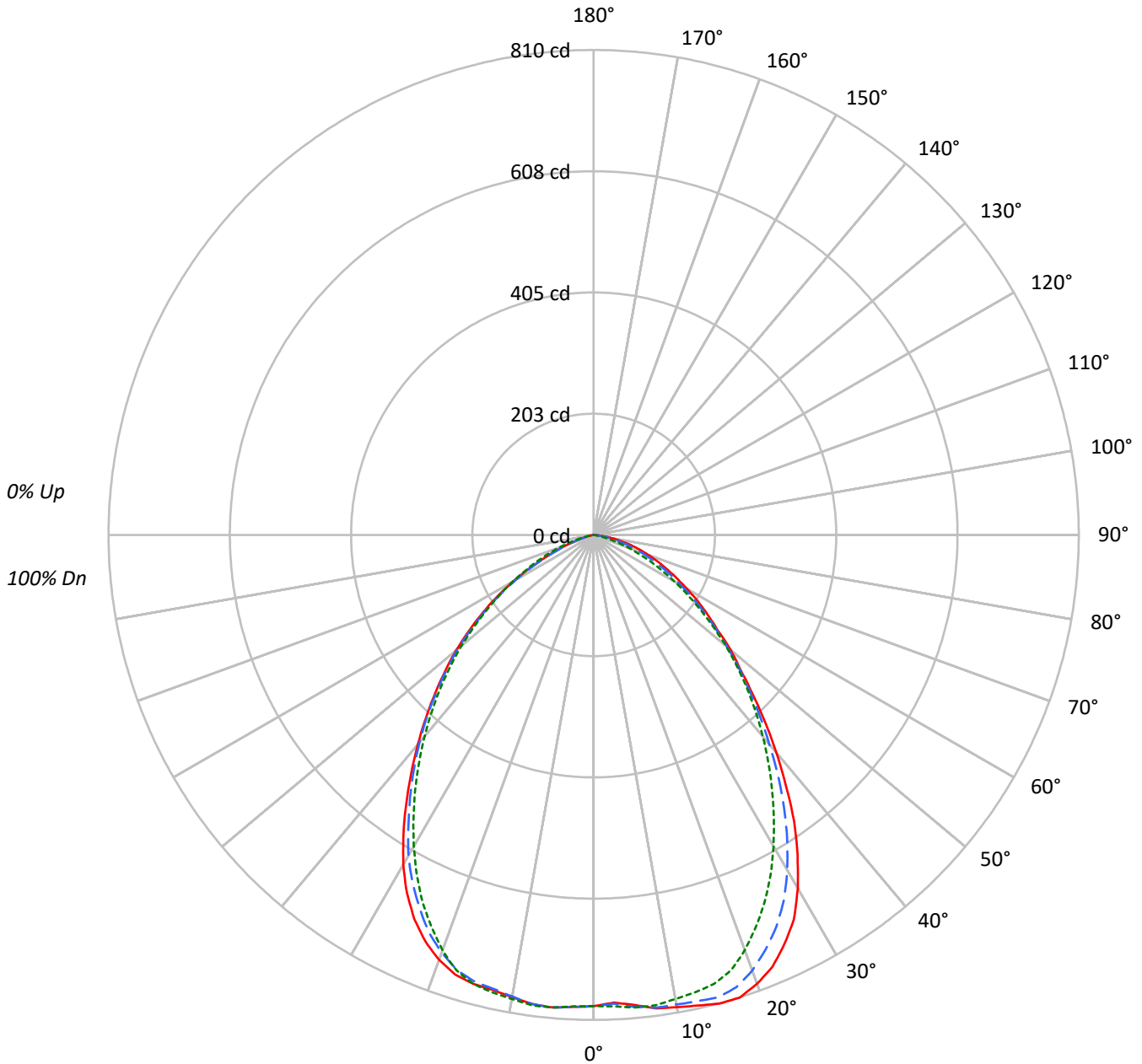
Lumens per Lamp: N/A
Luminaire Lumens: 1588.8 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581720
CATALOG NUMBER: HCC6W15D010MW-HM60525830-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581720

CATALOG NUMBER: HCC6W15D010MW-HM60525830-61RWWC

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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	43143	43143	43143
5°	43363	43600	43600
10°	44583	43809	43631
15°	45993	44058	44058
20°	46537	43054	44045
25°	45601	40896	42825
30°	43140	38006	40234
35°	39036	34760	36466
40°	33956	31445	32661
45°	29019	28026	29019
50°	25466	24554	25551
55°	22212	20683	21505
60°	19637	17181	16950
65°	17434	13555	11623
70°	15387	9569	7004
75°	13111	5401	3389
80°	9755	1673	1010
85°	5346	629	629



TEST NUMBER: P581720
 CATALOG NUMBER: HCC6W15D010MW-HM60525830-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	4.8
10°-20°	220.9	13.9
20°-30°	322.6	20.3
30°-40°	338.3	21.3
40°-50°	285.0	17.9
50°-60°	199.7	12.6
60°-70°	107.1	6.7
70°-80°	35.9	2.3
80°-90°	3.9	0.2
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°	618.9	39.0
0°-40°	957.2	60.3
0°-60°	1441.9	90.8
0°-90°	1588.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	787	787	787	787	787	
5°	788	791	792	792	792	76
15°	810	800	776	772	776	229
25°	754	722	676	688	708	345
35°	583	553	519	534	545	362
45°	374	368	362	371	374	292
55°	232	225	216	221	225	209
65°	134	123	104	86	90	134
75°	62	48	26	16	16	66
85°	8	4	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P581720

CATALOG NUMBER: HCC6W15D010MW-HM60525830-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	781.7	781.7	783.8	785.9	788.0	788.0	789.2	790.2	789.2
5°	788.0	788.0	791.2	792.3	792.3	791.2	792.3	792.3	792.3
7.5°	797.7	795.5	796.5	794.4	792.3	791.2	790.2	790.2	790.2
10°	800.9	798.7	796.5	792.3	787.0	783.8	782.7	783.8	783.8
12.5°	805.1	803.0	797.7	789.2	782.7	777.4	776.3	778.5	778.5
15°	810.4	808.3	799.7	785.9	776.3	771.0	772.0	774.2	776.3
17.5°	810.4	806.2	792.3	774.2	762.5	757.2	761.4	766.7	769.9
20°	797.7	793.4	774.2	751.8	738.0	734.7	742.2	751.8	755.0
22.5°	780.5	772.0	749.7	723.0	708.0	708.0	718.7	730.5	734.7
25°	753.9	747.5	722.0	691.0	676.1	675.0	687.8	703.8	708.0
27.5°	724.0	715.5	687.8	655.8	639.8	640.9	654.8	670.8	675.0
30°	681.5	670.8	646.3	615.3	600.4	604.6	618.5	630.3	635.6
32.5°	633.4	623.8	601.4	572.6	559.9	564.1	575.8	586.5	590.8
35°	583.3	572.6	553.4	527.9	519.4	523.6	534.2	542.8	544.9
37.5°	526.8	519.4	505.4	485.2	478.7	484.1	492.7	498.0	500.1
40°	474.5	468.2	456.4	441.5	439.4	443.6	452.2	455.4	456.4
42.5°	423.4	418.0	410.5	399.9	399.9	404.2	411.7	413.7	414.8
45°	374.3	371.1	367.9	359.3	361.5	366.8	371.1	374.3	374.3
47.5°	331.6	332.7	328.5	322.0	324.2	329.5	332.7	336.0	336.0
50°	298.6	295.3	291.1	284.8	287.9	292.1	296.5	298.6	299.6
52.5°	260.1	259.1	255.9	248.5	250.6	252.8	257.0	260.1	261.3
55°	232.4	229.3	225.0	216.4	216.4	218.6	220.8	222.9	225.0
57.5°	205.8	202.6	196.2	186.6	185.6	185.6	184.4	186.6	189.8
60°	179.1	178.1	168.4	159.9	156.7	153.6	149.3	150.4	154.6
62.5°	155.7	153.6	145.1	134.4	127.9	122.6	117.2	116.2	120.5
65°	134.4	132.2	122.6	112.0	104.5	94.9	86.4	86.4	89.6
67.5°	115.2	110.9	102.4	90.7	81.0	69.3	60.8	62.9	64.0
70°	96.0	92.7	83.2	71.4	59.7	48.0	42.7	43.7	43.7
72.5°	78.9	74.7	65.0	53.3	41.5	30.9	28.8	27.7	27.7
75°	61.9	57.5	48.0	36.2	25.5	18.2	16.0	16.0	16.0
77.5°	44.8	41.5	33.0	22.4	13.8	8.5	7.5	6.4	6.4
80°	30.9	27.7	20.3	11.7	5.3	3.2	3.2	3.2	3.2
82.5°	18.2	15.0	9.6	5.3	2.2	1.0	1.0	1.0	1.0
85°	8.5	6.4	4.3	2.2	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	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)