

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: P593103

Luminaire Tested: **HCC6W15D010SL-HM60525850-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W15D010SL-HM60525850-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

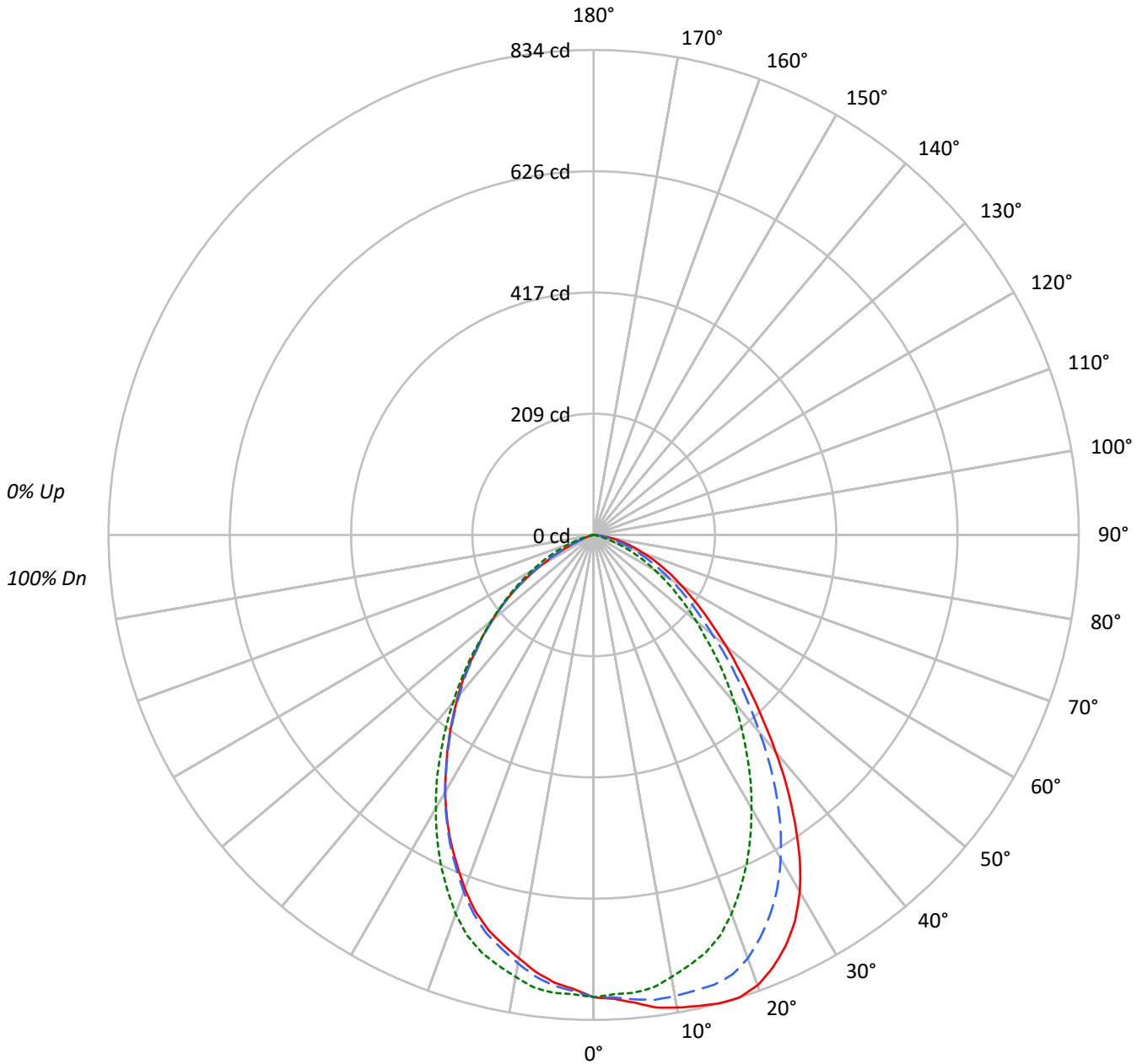
Lumens per Lamp: N/A
Luminaire Lumens: 1417.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (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: P593103
CATALOG NUMBER: HCC6W15D010SL-HM60525850-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P593103

CATALOG NUMBER: HCC6W15D010SL-HM60525850-61WWBB

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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	43588	43588	43588
5°	44431	43506	42521
10°	45941	42957	41148
15°	47344	42208	39858
20°	48083	40452	37774
25°	47210	37678	35179
30°	44880	34334	32283
35°	40341	30684	29112
40°	34815	26893	26006
45°	29476	23150	22545
50°	25270	19556	19360
55°	21916	16458	15818
60°	19121	13365	11271
65°	16824	10299	6239
70°	14522	6796	3061
75°	12306	3325	1186
80°	9534	1389	726
85°	5661	692	692



TEST NUMBER: P593103
 CATALOG NUMBER: HCC6W15D010SL-HM60525850-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	5.3
10°-20°	212.2	15.0
20°-30°	298.8	21.1
30°-40°	305.3	21.5
40°-50°	246.2	17.4
50°-60°	165.1	11.7
60°-70°	83.6	5.9
70°-80°	26.7	1.9
80°-90°	4.1	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°	586.0	41.4
0°-40°	891.3	62.9
0°-60°	1302.6	91.9
0°-90°	1417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	795	795	795	795	795	
5°	807	802	791	778	773	78
15°	834	801	744	710	702	236
25°	780	719	623	585	582	357
35°	603	548	458	433	435	375
45°	380	350	299	288	291	296
55°	229	204	172	164	166	206
65°	130	107	79	53	48	129
75°	58	41	16	6	6	62
85°	9	4	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P593103

CATALOG NUMBER: HCC6W15D010SL-HM60525850-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1	795.1
2.5°	798.5	797.3	796.2	794.0	790.6	787.2	785.1	782.8	781.7
5°	807.4	805.2	801.9	797.3	790.6	782.8	778.4	773.8	772.7
7.5°	819.7	815.3	806.3	796.2	785.1	773.8	766.0	761.6	758.2
10°	825.3	817.5	805.2	788.4	771.7	758.2	748.2	741.5	739.2
12.5°	829.8	820.8	802.9	780.5	758.2	740.4	729.1	723.6	721.3
15°	834.2	825.3	800.7	771.7	743.7	722.4	710.2	704.5	702.3
17.5°	834.2	822.0	792.9	756.0	722.4	696.7	684.4	678.8	677.7
20°	824.2	810.7	775.0	731.4	693.4	664.3	653.1	649.8	647.5
22.5°	805.2	789.5	749.2	700.1	658.6	630.7	618.5	616.2	613.9
25°	780.5	764.9	719.0	666.5	622.9	595.0	584.9	582.6	581.6
27.5°	749.2	732.5	684.4	630.7	583.7	556.9	548.0	548.0	546.8
30°	709.0	690.0	643.0	589.4	542.4	517.8	511.1	511.1	510.0
32.5°	659.8	640.8	598.3	546.8	502.1	476.4	470.8	473.1	471.9
35°	602.8	587.1	548.0	497.7	458.5	435.0	432.8	435.0	435.0
37.5°	545.7	531.2	497.7	454.0	417.1	395.9	395.9	399.3	398.2
40°	486.5	475.3	444.0	406.0	375.8	361.3	359.0	362.3	363.4
42.5°	430.5	421.7	394.8	363.4	336.6	322.1	325.4	327.7	328.8
45°	380.2	371.3	350.0	317.6	298.6	288.5	288.5	291.9	290.8
47.5°	335.5	328.8	307.6	276.3	259.5	254.9	257.2	259.5	259.5
50°	296.3	286.2	266.2	241.5	229.3	223.7	225.9	227.0	227.0
52.5°	259.5	252.8	232.6	210.2	199.1	195.7	195.7	196.8	196.8
55°	229.3	221.4	203.5	181.1	172.2	167.8	164.3	163.3	165.5
57.5°	200.2	193.5	176.7	155.5	145.4	140.9	134.2	132.0	134.2
60°	174.4	168.9	152.1	132.0	121.9	112.9	105.1	100.7	102.8
62.5°	152.1	145.4	128.6	111.8	100.7	90.6	78.3	71.6	74.9
65°	129.7	124.2	107.4	90.6	79.4	67.1	52.6	48.1	48.1
67.5°	109.6	104.0	88.3	73.8	60.4	45.9	32.5	31.3	32.5
70°	90.6	85.0	71.6	57.1	42.4	27.9	19.1	19.1	19.1
72.5°	74.9	68.2	56.0	41.4	26.8	14.5	10.1	11.2	11.2
75°	58.1	52.6	41.4	27.9	15.7	6.7	5.6	5.6	5.6
77.5°	43.6	39.2	29.1	17.9	7.8	2.3	2.3	2.3	2.3
80°	30.2	25.8	19.1	11.2	4.4	2.3	2.3	2.3	2.3
82.5°	17.9	15.7	11.2	5.6	2.3	1.1	1.1	1.1	1.1
85°	9.0	7.8	4.4	2.3	1.1	1.1	1.1	1.1	1.1
87.5°	2.3	2.3	1.1	1.1	0.0	1.1	1.1	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)