

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: P581811

Luminaire Tested: **HCC6S15D010MB-HM60525935-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581811
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: HCC6S15D010MB-HM60525935-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

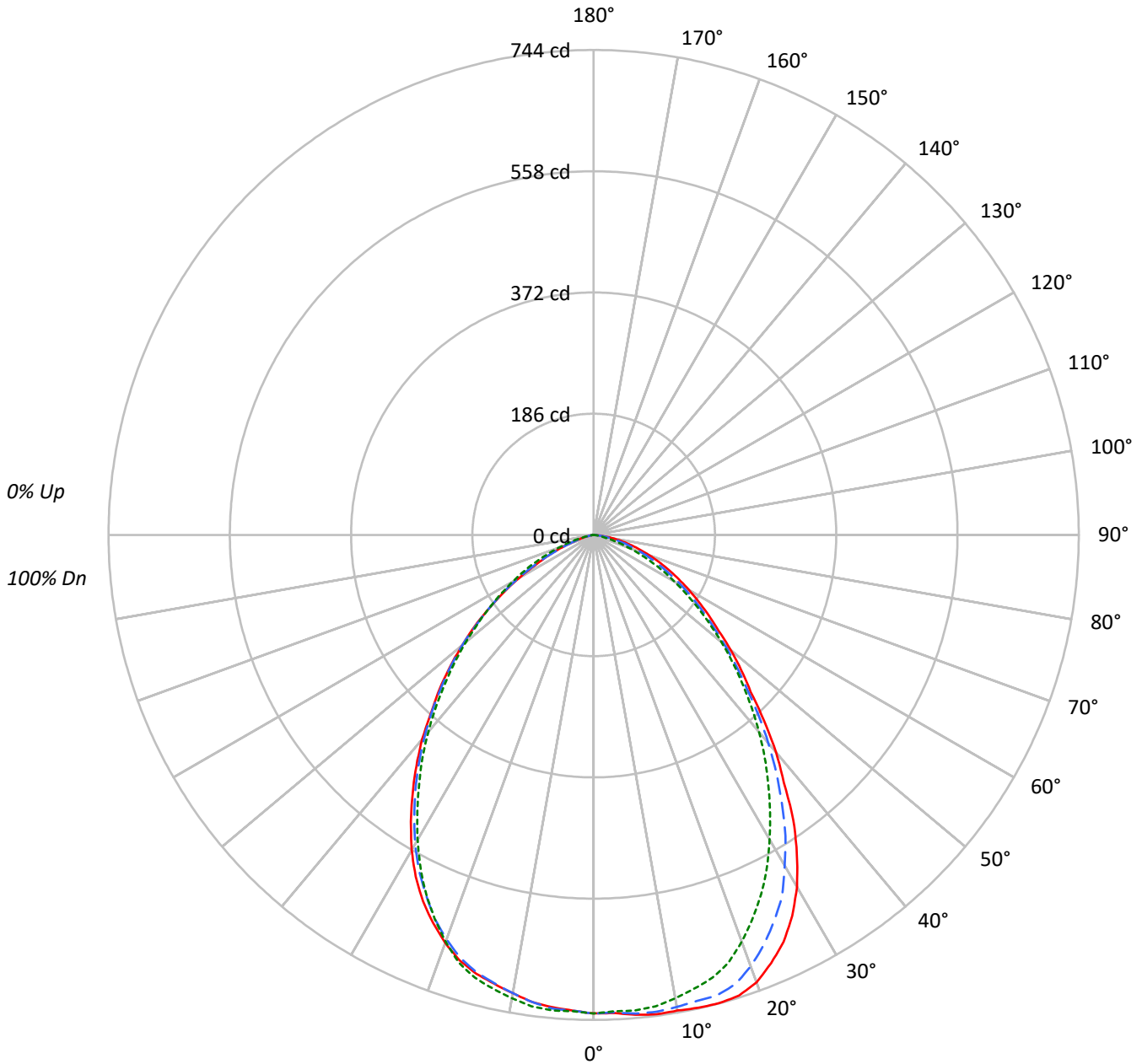
Lumens per Lamp: N/A
Luminaire Lumens: 1438.6 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581811
CATALOG NUMBER: HCC6S15D010MB-HM60525935-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581811

CATALOG NUMBER: HCC6S15D010MB-HM60525935-61RWWH

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	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	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
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	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	40249	40249	40249
5°	40667	40298	40029
10°	41243	40168	39745
15°	42214	39921	39541
20°	42610	38737	38848
25°	41670	36782	37484
30°	39474	34170	35328
35°	35737	31233	32391
40°	31123	28231	29262
45°	26406	24987	25886
50°	23385	21824	22396
55°	20597	18666	18580
60°	18463	15722	14451
65°	16474	12608	10364
70°	14506	9104	6475
75°	12243	5507	3685
80°	9439	2431	1515
85°	5409	566	566



TEST NUMBER: P581811
 CATALOG NUMBER: HCC6S15D010MB-HM60525935-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	4.8
10°-20°	200.3	13.9
20°-30°	289.5	20.1
30°-40°	304.7	21.2
40°-50°	256.1	17.8
50°-60°	179.8	12.5
60°-70°	98.9	6.9
70°-80°	35.1	2.4
80°-90°	4.6	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°	559.5	38.9
0°-40°	864.2	60.1
0°-60°	1300.0	90.4
0°-90°	1438.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	734	734	734	734	734	
5°	739	737	732	729	727	71
15°	744	731	703	695	697	210
25°	689	654	608	609	620	315
35°	534	503	467	476	484	331
45°	341	331	322	330	334	267
55°	216	204	195	195	194	194
65°	127	114	97	80	80	126
75°	58	46	26	17	17	62
85°	9	5	1	1	1	12
90°	0	0	0	0	0	

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



TEST NUMBER: P581811

CATALOG NUMBER: HCC6S15D010MB-HM60525935-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2
2.5°	734.2	734.2	733.2	733.2	731.3	731.3	730.4	730.4	730.4
5°	739.0	739.0	737.1	734.2	732.3	729.4	729.4	728.4	727.4
7.5°	741.8	740.9	738.0	734.2	729.4	724.6	722.7	723.6	722.7
10°	740.9	739.0	735.1	727.4	721.6	714.9	714.0	713.0	714.0
12.5°	742.9	739.9	732.3	722.7	713.0	705.3	704.4	704.4	705.3
15°	743.8	740.9	731.3	716.9	703.4	695.6	694.7	695.6	696.7
17.5°	740.9	737.1	722.7	703.4	688.0	680.3	680.3	682.2	684.2
20°	730.4	724.6	704.4	681.2	664.0	658.2	660.1	664.0	665.9
22.5°	711.1	704.4	681.2	655.2	637.0	632.2	637.0	641.8	643.8
25°	688.9	681.2	654.3	627.4	608.1	602.3	609.0	616.8	619.7
27.5°	659.1	650.5	625.5	594.6	575.4	572.5	580.2	588.8	590.8
30°	623.6	613.9	586.0	557.2	539.8	538.9	547.5	555.2	558.1
32.5°	580.2	571.6	547.5	518.7	503.3	503.3	511.9	518.7	521.5
35°	534.0	524.4	503.3	479.2	466.7	467.6	476.4	481.1	484.0
37.5°	479.2	476.4	459.9	439.7	431.1	433.0	439.7	443.6	446.5
40°	434.9	427.2	416.7	400.3	394.5	396.5	403.2	407.0	408.9
42.5°	386.8	382.0	373.3	361.8	358.0	360.8	366.6	369.4	368.5
45°	340.6	339.7	331.0	324.3	322.3	326.2	330.1	332.9	333.9
47.5°	306.9	303.2	295.4	290.6	288.6	292.5	296.3	298.3	298.3
50°	274.2	270.4	262.6	257.9	255.9	259.8	262.6	264.6	262.6
52.5°	241.5	237.7	231.0	225.2	224.2	226.1	227.1	228.0	230.0
55°	215.5	211.7	204.0	197.3	195.3	196.2	195.3	195.3	194.4
57.5°	190.6	186.7	179.0	171.3	168.4	167.4	164.6	163.6	162.6
60°	168.4	163.6	155.8	147.2	143.4	139.5	134.7	131.8	131.8
62.5°	147.2	142.4	133.7	126.1	120.3	113.5	105.9	102.0	102.0
65°	127.0	123.1	113.5	104.9	97.2	88.5	79.9	78.0	79.9
67.5°	107.8	104.0	94.3	85.7	76.0	65.4	57.8	57.8	59.7
70°	90.5	86.6	78.0	67.3	56.8	46.2	40.4	40.4	40.4
72.5°	74.1	70.3	60.6	51.0	40.4	29.9	26.9	27.9	26.9
75°	57.8	54.8	46.2	35.6	26.0	18.3	17.4	16.3	17.4
77.5°	43.4	40.4	32.7	23.0	14.4	10.6	9.6	9.6	9.6
80°	29.9	26.9	21.2	13.5	7.7	4.8	4.8	4.8	4.8
82.5°	18.3	15.4	11.6	6.7	2.8	2.8	2.8	2.8	2.8
85°	8.6	6.7	4.8	1.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.9	1.9	0.9	0.9	0.0	0.9	0.9	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)