

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: P593123

Luminaire Tested: **HCC6S15D010SL-HM60525950-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S15D010SL-HM60525950-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

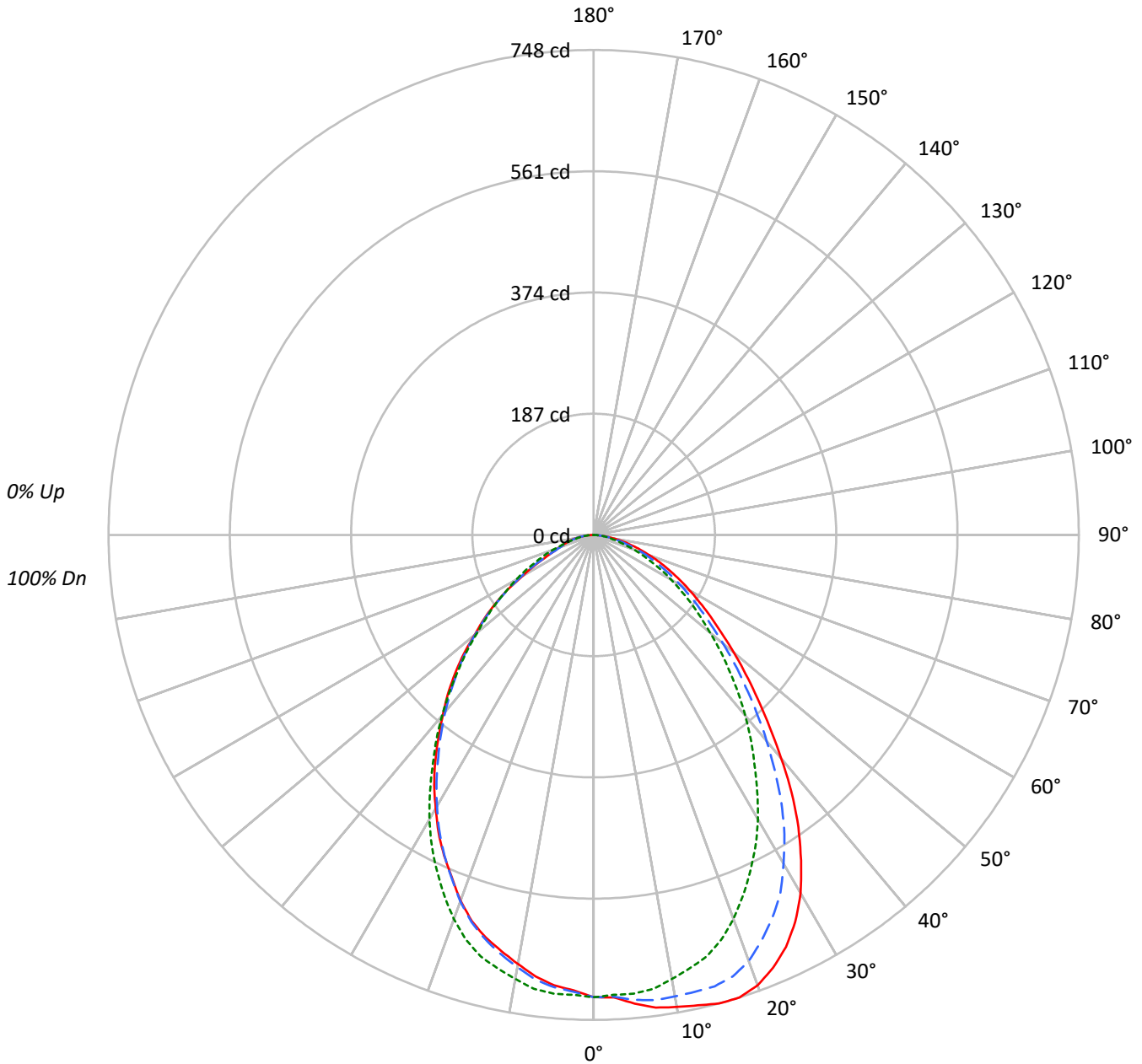
Lumens per Lamp: N/A
Luminaire Lumens: 1396.2 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593123
CATALOG NUMBER: HCC6S15D010SL-HM60525950-61WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P593123

CATALOG NUMBER: HCC6S15D010SL-HM60525950-61WWWB

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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	39087	39087	39087
5°	39929	39077	38372
10°	41148	38710	37407
15°	42452	38201	36487
20°	43124	36765	35003
25°	42420	34581	32996
30°	40386	32056	30828
35°	36821	28938	28482
40°	32203	25999	25863
45°	27708	22878	23406
50°	24093	19940	20349
55°	21036	17500	17682
60°	18694	15174	13891
65°	16681	12764	10611
70°	14682	10467	8896
75°	12581	8239	8472
80°	10134	7072	8303
85°	6730	6164	7359



TEST NUMBER: P593123
 CATALOG NUMBER: HCC6S15D010SL-HM60525950-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	4.8
10°-20°	192.2	13.8
20°-30°	274.3	19.6
30°-40°	287.3	20.6
40°-50°	241.9	17.3
50°-60°	172.2	12.3
60°-70°	100.8	7.2
70°-80°	47.7	3.4
80°-90°	12.3	0.9
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°	534.0	38.2
0°-40°	821.3	58.8
0°-60°	1235.5	88.5
0°-90°	1396.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	713	713	713	713	713	
5°	726	720	710	700	697	70
15°	748	721	673	646	643	211
25°	701	652	572	544	546	321
35°	550	504	432	418	426	342
45°	357	331	295	296	302	278
55°	220	202	183	183	185	198
65°	129	114	98	83	82	128
75°	59	50	39	38	40	64
85°	11	9	10	12	12	14
90°	0	0	0	0	0	



TEST NUMBER: P593123

CATALOG NUMBER: HCC6S15D010SL-HM60525950-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0
2.5°	713.9	713.9	713.0	712.0	710.1	707.1	705.2	703.2	703.2
5°	725.6	723.7	719.8	714.9	710.1	704.2	700.3	697.3	697.3
7.5°	735.4	731.5	723.7	714.9	706.1	698.4	691.6	687.6	686.7
10°	739.2	734.3	722.7	709.0	695.4	684.7	676.9	672.0	672.0
12.5°	743.2	737.3	721.7	702.2	684.7	670.1	662.3	658.4	657.4
15°	748.0	740.2	720.7	696.4	673.1	656.5	645.7	642.9	642.9
17.5°	748.0	738.3	713.9	683.7	654.6	636.1	626.3	623.3	624.4
20°	739.2	728.6	699.3	662.3	630.2	610.7	601.0	599.1	600.0
22.5°	722.7	710.1	676.9	637.0	601.9	581.5	572.7	572.7	571.7
25°	701.3	687.6	651.6	609.7	571.7	551.3	544.5	545.5	545.5
27.5°	673.1	659.4	623.3	578.5	540.6	520.1	515.3	517.2	518.1
30°	638.0	623.3	585.3	541.5	506.4	486.0	483.1	486.0	487.0
32.5°	595.1	584.4	547.4	502.6	469.4	452.0	450.9	453.9	457.7
35°	550.2	538.6	504.5	463.6	432.4	417.8	417.8	422.7	425.6
37.5°	501.6	489.9	458.8	424.6	398.4	384.8	386.7	391.6	392.5
40°	450.0	441.2	415.0	385.7	363.3	352.5	355.5	360.4	361.4
42.5°	401.3	393.5	372.1	345.7	329.2	321.4	325.3	331.2	333.1
45°	357.4	348.7	331.2	308.7	295.1	291.2	296.1	300.0	301.9
47.5°	317.6	309.7	295.1	274.7	264.9	263.0	267.9	269.8	271.7
50°	282.5	274.7	260.0	241.5	233.8	233.8	237.7	239.6	238.6
52.5°	248.3	241.5	227.9	212.4	207.5	207.5	210.4	211.3	213.3
55°	220.1	213.3	201.6	187.0	183.1	181.1	183.1	183.1	185.0
57.5°	193.9	188.0	177.3	163.7	158.8	156.9	155.8	154.8	156.9
60°	170.5	165.6	153.9	142.2	138.4	133.5	129.5	125.6	126.7
62.5°	149.0	144.1	133.5	121.8	117.8	111.0	106.1	101.2	103.3
65°	128.6	123.7	114.0	104.2	98.4	90.6	82.7	79.9	81.8
67.5°	110.1	106.1	96.5	86.7	81.8	73.1	65.3	65.3	66.3
70°	91.6	87.6	79.9	71.1	65.3	57.4	54.6	55.5	55.5
72.5°	75.0	72.1	64.2	56.5	50.6	45.7	45.7	46.8	47.7
75°	59.4	57.4	49.7	42.9	38.9	36.1	38.0	38.9	40.0
77.5°	45.7	42.9	37.0	32.1	29.2	30.2	32.1	33.1	34.0
80°	32.1	31.2	26.3	23.4	22.4	23.4	25.3	26.3	26.3
82.5°	20.4	19.5	16.6	15.5	15.5	16.6	18.5	18.5	18.5
85°	10.7	9.8	8.7	8.7	9.8	10.7	11.7	11.7	11.7
87.5°	3.9	3.0	3.9	3.9	4.9	4.9	4.9	4.9	4.9
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)