

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: P581756

Luminaire Tested: **HCC6S15D010SL-HM60525840-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581756
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: HCC6S15D010SL-HM60525840-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

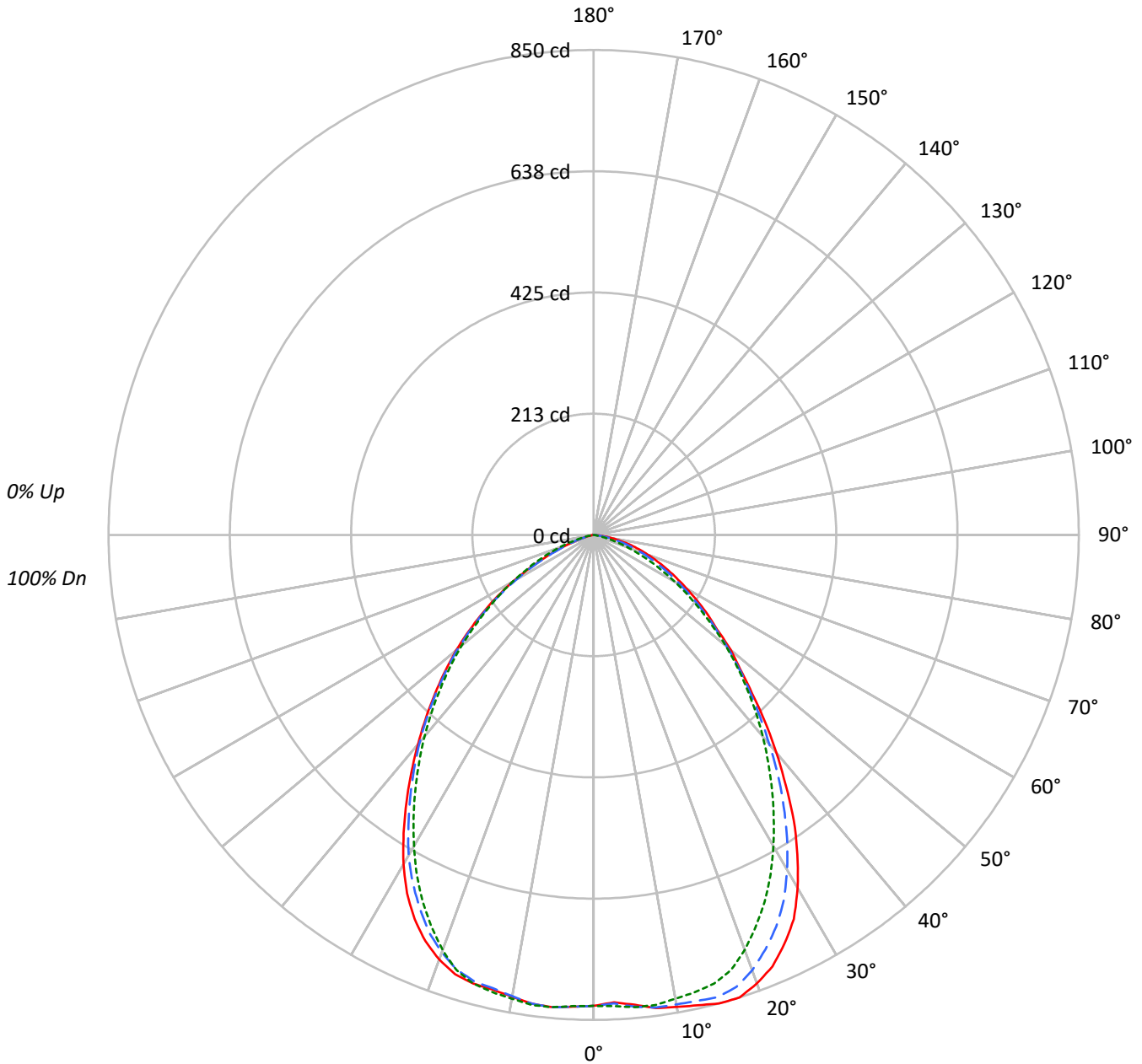
Lumens per Lamp: N/A
Luminaire Lumens: 1666.3 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
Input Voltage (V): NR
Input Current (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: P581756
CATALOG NUMBER: HCC6S15D010SL-HM60525840-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581756

CATALOG NUMBER: HCC6S15D010SL-HM60525840-61RWWC

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	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°	45249	45249	45249
5°	45482	45724	45724
10°	46754	45947	45757
15°	48241	46203	46203
20°	48800	45154	46192
25°	47833	42886	44918
30°	45235	39861	42196
35°	40944	36453	38247
40°	35617	32976	34250
45°	30437	29391	30437
50°	26703	25748	26805
55°	23301	21696	22556
60°	20590	18014	17784
65°	18290	14217	12193
70°	16141	10050	7357
75°	13746	5676	3558
80°	10260	1768	1073
85°	5661	692	692



TEST NUMBER: P581756
 CATALOG NUMBER: HCC6S15D010SL-HM60525840-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	4.8
10°-20°	231.6	13.9
20°-30°	338.3	20.3
30°-40°	354.8	21.3
40°-50°	298.9	17.9
50°-60°	209.4	12.6
60°-70°	112.3	6.7
70°-80°	37.7	2.3
80°-90°	4.1	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°	649.1	39.0
0°-40°	1003.9	60.2
0°-60°	1512.3	90.8
0°-90°	1666.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	825	825	825	825	825	
5°	826	830	831	831	831	79
15°	850	839	814	810	814	240
25°	791	757	709	721	743	362
35°	612	580	545	560	572	380
45°	393	386	379	389	393	306
55°	244	236	227	232	236	219
65°	141	129	110	91	94	141
75°	65	50	27	17	17	69
85°	9	4	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P581756

CATALOG NUMBER: HCC6S15D010SL-HM60525840-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	819.8	819.8	822.0	824.2	826.5	826.5	827.6	828.8	827.6
5°	826.5	826.5	829.8	830.9	830.9	829.8	830.9	830.9	830.9
7.5°	836.5	834.3	835.5	833.2	830.9	829.8	828.8	828.8	828.8
10°	839.9	837.6	835.5	830.9	825.4	822.0	820.9	822.0	822.0
12.5°	844.3	842.2	836.5	827.6	820.9	815.3	814.1	816.4	816.4
15°	850.0	847.7	838.8	824.2	814.1	808.6	809.7	812.0	814.1
17.5°	850.0	845.5	830.9	812.0	799.6	794.0	798.5	804.1	807.4
20°	836.5	832.1	812.0	788.5	774.0	770.6	778.4	788.5	791.8
22.5°	818.7	809.7	786.2	758.3	742.6	742.6	753.8	766.1	770.6
25°	790.8	783.9	757.2	724.7	709.0	707.9	721.4	738.1	742.6
27.5°	759.4	750.5	721.4	687.8	671.0	672.1	686.7	703.5	707.9
30°	714.6	703.5	677.7	645.4	629.7	634.1	648.7	660.9	666.6
32.5°	664.3	654.2	630.7	600.5	587.1	591.7	603.9	615.1	619.6
35°	611.8	600.5	580.4	553.7	544.7	549.1	560.3	569.2	571.5
37.5°	552.5	544.7	530.2	508.8	502.1	507.8	516.7	522.3	524.5
40°	497.7	491.0	478.6	463.0	460.8	465.2	474.2	477.5	478.6
42.5°	444.0	438.5	430.6	419.4	419.4	423.9	431.6	433.9	435.0
45°	392.6	389.2	385.8	376.9	379.1	384.8	389.2	392.6	392.6
47.5°	347.8	348.9	344.5	337.8	339.9	345.6	348.9	352.3	352.3
50°	313.1	309.7	305.3	298.6	301.9	306.4	310.9	313.1	314.3
52.5°	272.9	271.7	268.4	260.6	262.9	265.0	269.6	272.9	274.0
55°	243.8	240.5	236.0	227.0	227.0	229.3	231.5	233.7	236.0
57.5°	215.9	212.5	205.8	195.7	194.7	194.7	193.5	195.7	199.1
60°	187.8	186.8	176.7	167.8	164.3	161.1	156.6	157.7	162.2
62.5°	163.3	161.1	152.1	141.0	134.2	128.6	123.0	121.9	126.3
65°	141.0	138.7	128.6	117.5	109.6	99.5	90.6	90.6	94.0
67.5°	120.8	116.3	107.4	95.1	85.0	72.6	63.8	65.9	67.1
70°	100.7	97.3	87.3	74.9	62.7	50.3	44.7	45.9	45.9
72.5°	82.7	78.3	68.2	56.0	43.6	32.5	30.2	29.1	29.1
75°	64.9	60.4	50.3	38.0	26.8	19.1	16.8	16.8	16.8
77.5°	47.0	43.6	34.6	23.5	14.5	9.0	7.8	6.7	6.7
80°	32.5	29.1	21.2	12.3	5.6	3.4	3.4	3.4	3.4
82.5°	19.1	15.7	10.1	5.6	2.3	1.1	1.1	1.1	1.1
85°	9.0	6.7	4.4	2.3	1.1	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	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)