

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: P581957

Luminaire Tested: **HCC6S20D010BZ-HM60525935-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S20D010BZ-HM60525935-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

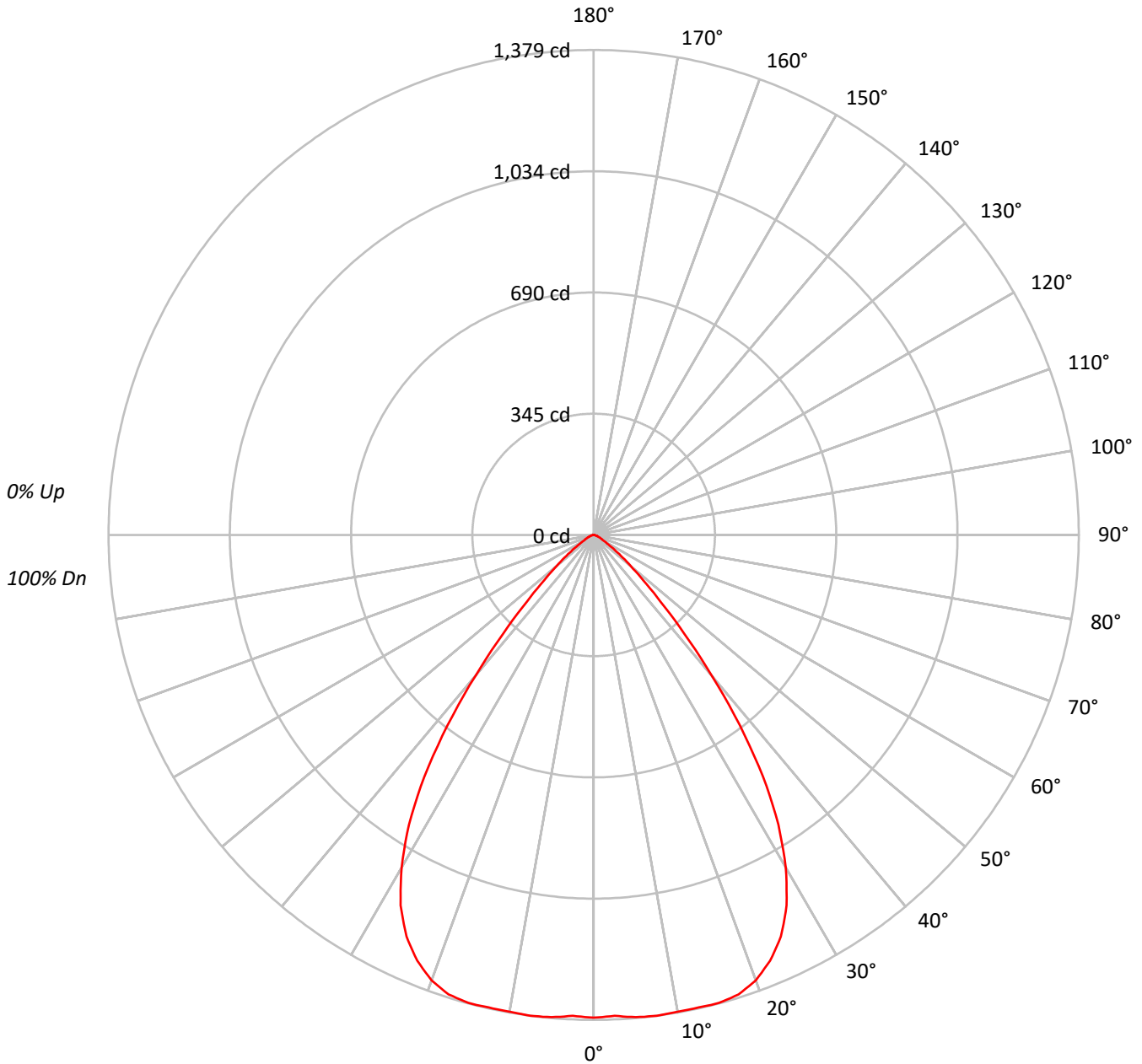
Lumens per Lamp: N/A  
Luminaire Lumens: 1921.3 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P581957  
CATALOG NUMBER: HCC6S20D010BZ-HM60525935-61WDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581957

CATALOG NUMBER: HCC6S20D010BZ-HM60525935-61WDH

**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	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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92						92													
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84						84													
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77						77													
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70						70													
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64						64													
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59						59													
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54						54													
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50						50													
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46						46													
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43						43													

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	75246
5°	75754
10°	76630
15°	78196
20°	78634
25°	76190
30°	69118
35°	56195
40°	37306
45°	20754
50°	11641
55°	6461
60°	3563
65°	2698
70°	1875
75°	1377
80°	821
85°	755



TEST NUMBER: P581957  
 CATALOG NUMBER: HCC6S20D010BZ-HM60525935-61WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	6.8
10°-20°	388.5	20.2
20°-30°	572.6	29.8
30°-40°	512.2	26.7
40°-50°	222.2	11.6
50°-60°	65.3	3.4
60°-70°	20.8	1.1
70°-80°	7.4	0.4
80°-90°	1.0	0.1
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°	1092.5	56.9
0°-40°	1604.7	83.5
0°-60°	1892.2	98.5
0°-90°	1921.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1921.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1373	
5°	1377	131
15°	1378	388
25°	1260	573
35°	840	512
45°	268	222
55°	68	65
65°	21	21
75°	6	7
85°	1	1
90°	0	



TEST NUMBER: P581957  
CATALOG NUMBER: HCC6S20D010BZ-HM60525935-61WDH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1372.6
2.5°	1368.8
5°	1376.6
7.5°	1379.2
10°	1376.6
12.5°	1376.6
15°	1377.8
17.5°	1370.0
20°	1347.9
22.5°	1310.3
25°	1259.6
27.5°	1188.1
30°	1091.9
32.5°	977.6
35°	839.7
37.5°	682.4
40°	521.3
42.5°	380.9
45°	267.7
47.5°	191.1
50°	136.5
52.5°	97.4
55°	67.6
57.5°	45.5
60°	32.5
62.5°	25.9
65°	20.8
67.5°	15.6
70°	11.7
72.5°	9.1
75°	6.5
77.5°	5.2
80°	2.6
82.5°	1.2
85°	1.2
87.5°	0.0
90°	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°

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)