

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: P582281

Luminaire Tested: **HCC6S35D010BZ-HM63040827-61WDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S35D010BZ-HM63040827-61WDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

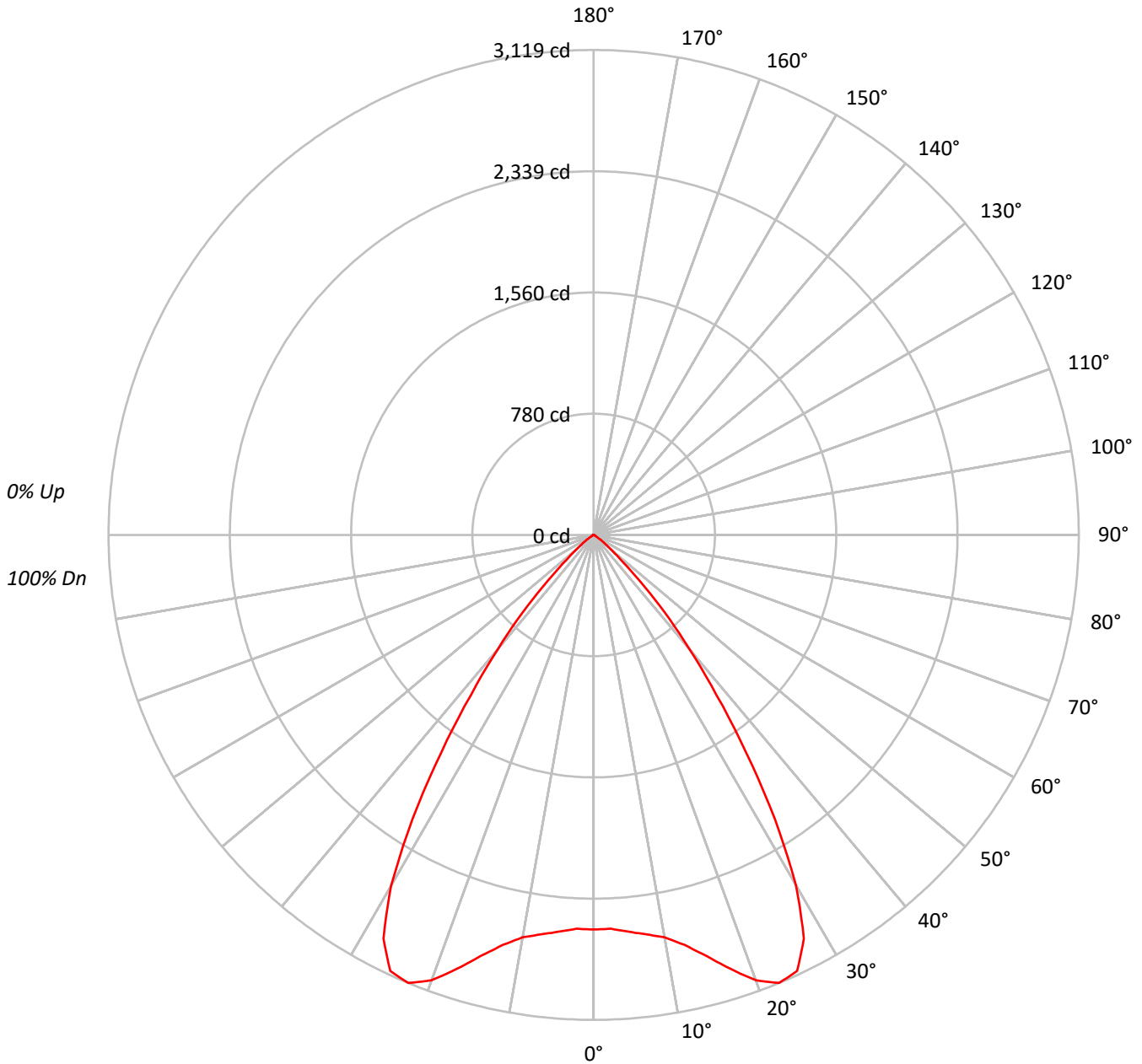
Lumens per Lamp: N/A  
Luminaire Lumens: 3923.4 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
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: P582281  
CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WDC

### Luminous Intensity Polar Plot





TEST NUMBER: P582281

CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WDC

**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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93				
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78				
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72				
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52				
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48				
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45				

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

	0°
0°	139090
5°	140964
10°	146251
15°	159047
20°	177821
25°	187166
30°	164766
35°	114285
40°	68242
45°	32437
50°	12238
55°	5123
60°	1601
65°	1258
70°	785
75°	530
80°	789
85°	0



TEST NUMBER: P582281  
 CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WDC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.5	6.3
10°-20°	804.7	20.5
20°-30°	1378.9	35.1
30°-40°	1070.8	27.3
40°-50°	354.0	9.0
50°-60°	54.3	1.4
60°-70°	9.6	0.2
70°-80°	3.6	0.1
80°-90°	1.0	0.0
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°	2430.1	61.9
0°-40°	3500.9	89.2
0°-60°	3909.2	99.6
0°-90°	3923.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3923.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2537	
5°	2562	247
15°	2802	805
25°	3094	1379
35°	1708	1071
45°	418	354
55°	54	54
65°	10	10
75°	2	4
85°	0	1
90°	0	



TEST NUMBER: P582281  
CATALOG NUMBER: HCC6S35D010BZ-HM63040827-61WDC

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2537.2
2.5°	2534.8
5°	2561.6
7.5°	2590.7
10°	2627.3
12.5°	2700.2
15°	2802.4
17.5°	2926.5
20°	3048.1
22.5°	3118.6
25°	3094.3
27.5°	2926.5
30°	2602.9
32.5°	2167.5
35°	1707.7
37.5°	1296.5
40°	953.6
42.5°	673.8
45°	418.4
47.5°	233.5
50°	143.5
52.5°	87.5
55°	53.6
57.5°	26.7
60°	14.6
62.5°	12.1
65°	9.7
67.5°	7.4
70°	4.9
72.5°	4.9
75°	2.5
77.5°	2.5
80°	2.5
82.5°	2.5
85°	0.0
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)