

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: P582363

Luminaire Tested: **HCC6S35D010BZ-HM63040930-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582363  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S35D010BZ-HM63040930-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

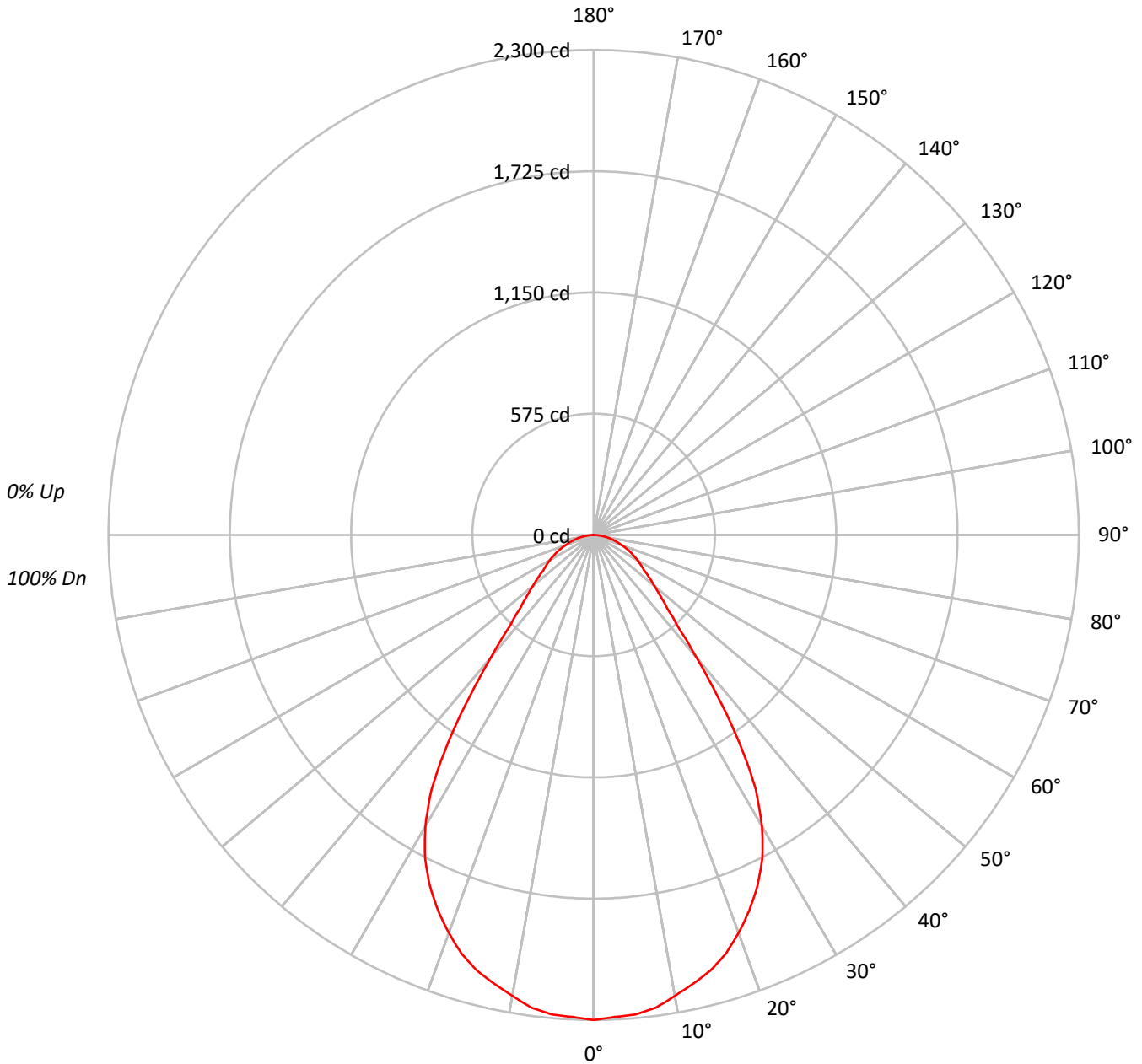
Lumens per Lamp: N/A  
Luminaire Lumens: 3387.8 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582363  
CATALOG NUMBER: HCC6S35D010BZ-HM63040930-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582363

CATALOG NUMBER: HCC6S35D010BZ-HM63040930-61MDW

**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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

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

	0°
0°	126114
5°	125655
10°	123550
15°	121374
20°	117179
25°	111115
30°	101066
35°	80756
40°	53880
45°	38407
50°	31999
55°	27899
60°	26358
65°	24815
70°	22808
75°	21308
80°	19352
85°	16983



TEST NUMBER: P582363  
 CATALOG NUMBER: HCC6S35D010BZ-HM63040930-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.9	6.4
10°-20°	600.5	17.7
20°-30°	839.1	24.8
30°-40°	739.2	21.8
40°-50°	399.3	11.8
50°-60°	267.0	7.9
60°-70°	189.3	5.6
70°-80°	106.4	3.1
80°-90°	31.0	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°	1655.5	48.9
0°-40°	2394.7	70.7
0°-60°	3061.1	90.4
0°-90°	3387.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3387.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2300	
5°	2283	216
15°	2139	600
25°	1837	839
35°	1207	739
45°	495	399
55°	292	267
65°	191	189
75°	101	106
85°	27	31
90°	0	



TEST NUMBER: P582363

CATALOG NUMBER: HCC6S35D010BZ-HM63040930-61MDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2300.5
2.5°	2288.3
5°	2283.4
7.5°	2261.2
10°	2219.5
12.5°	2180.3
15°	2138.6
17.5°	2082.2
20°	2008.6
22.5°	1927.7
25°	1837.0
27.5°	1731.5
30°	1596.6
32.5°	1429.8
35°	1206.7
37.5°	963.8
40°	752.9
42.5°	593.5
45°	495.4
47.5°	429.2
50°	375.2
52.5°	331.1
55°	291.9
57.5°	264.9
60°	240.4
62.5°	215.8
65°	191.3
67.5°	166.8
70°	142.3
72.5°	120.2
75°	100.6
77.5°	81.0
80°	61.3
82.5°	44.1
85°	27.0
87.5°	12.3
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)