

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: P582365

Luminaire Tested: **HCC6W35D010BZ-HM63040930-61NDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W35D010BZ-HM63040930-61NDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

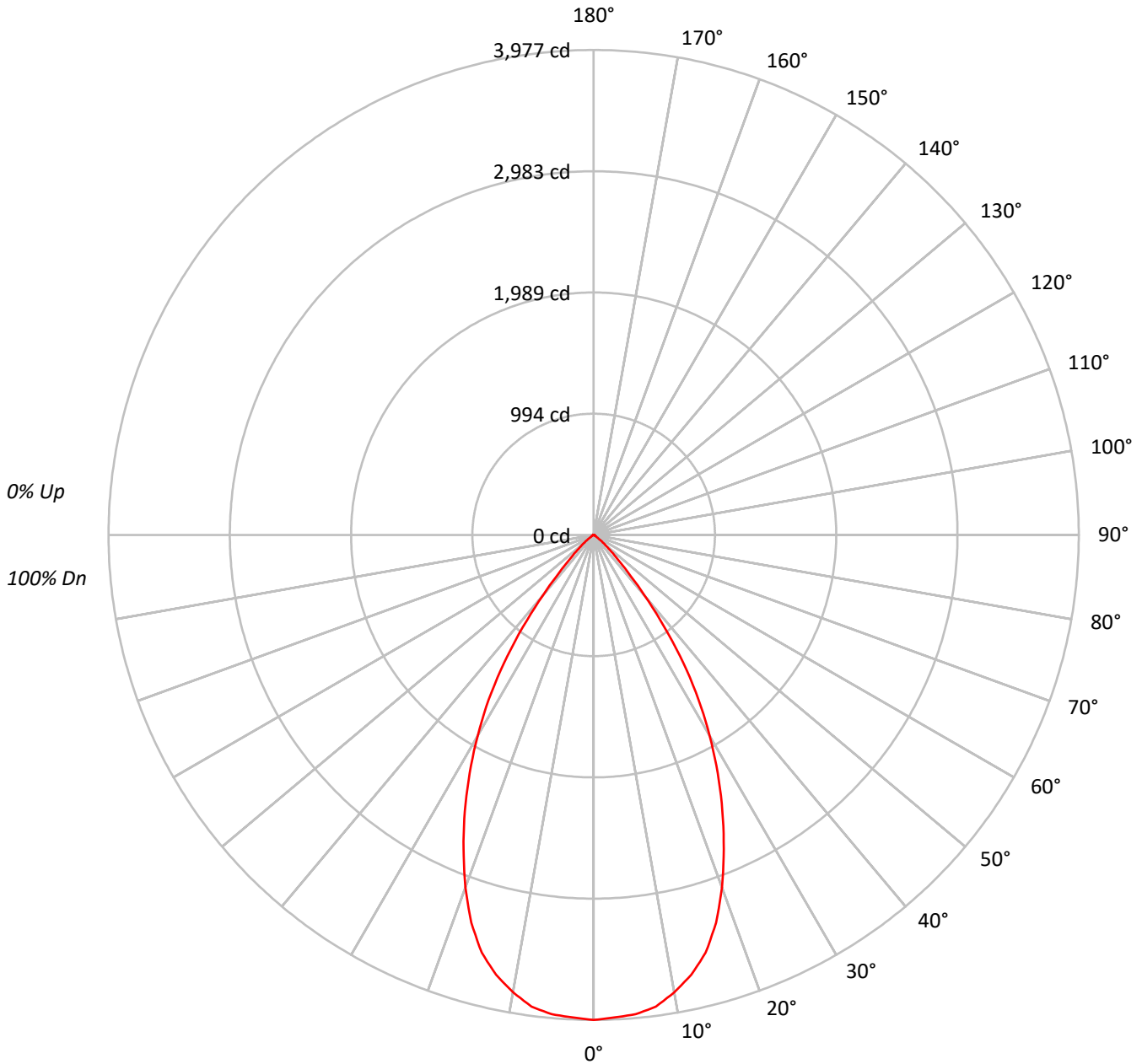
Lumens per Lamp: N/A  
Luminaire Lumens: 3562.0 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



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### Luminous Intensity Polar Plot





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**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	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	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93													
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87												
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81												
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75												
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70												
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65												
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61												
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57												
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54												
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51												

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

	0°
0°	218042
5°	217119
10°	211987
15°	201227
20°	179361
25°	151085
30°	120373
35°	85876
40°	46187
45°	19785
50°	8998
55°	3278
60°	1612
65°	1271
70°	1186
75°	530
80°	789
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.5	10.5
10°-20°	982.8	27.6
20°-30°	1138.3	32.0
30°-40°	787.1	22.1
40°-50°	227.3	6.4
50°-60°	39.1	1.1
60°-70°	10.0	0.3
70°-80°	3.9	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°	2493.6	70.0
0°-40°	3280.7	92.1
0°-60°	3547.0	99.6
0°-90°	3562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3562.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3977	
5°	3946	372
15°	3546	983
25°	2498	1138
35°	1283	787
45°	255	227
55°	34	39
65°	10	10
75°	2	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3977.4
2.5°	3960.2
5°	3945.5
7.5°	3901.4
10°	3808.2
12.5°	3695.2
15°	3545.6
17.5°	3334.6
20°	3074.5
22.5°	2787.4
25°	2497.8
27.5°	2201.0
30°	1901.6
32.5°	1602.3
35°	1283.2
37.5°	952.0
40°	645.4
42.5°	407.3
45°	255.2
47.5°	164.4
50°	105.5
52.5°	63.8
55°	34.3
57.5°	19.6
60°	14.7
62.5°	12.3
65°	9.8
67.5°	7.4
70°	7.4
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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)