

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: P581959

Luminaire Tested: **HCC6S20D010MB-HM60525935-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S20D010MB-HM60525935-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

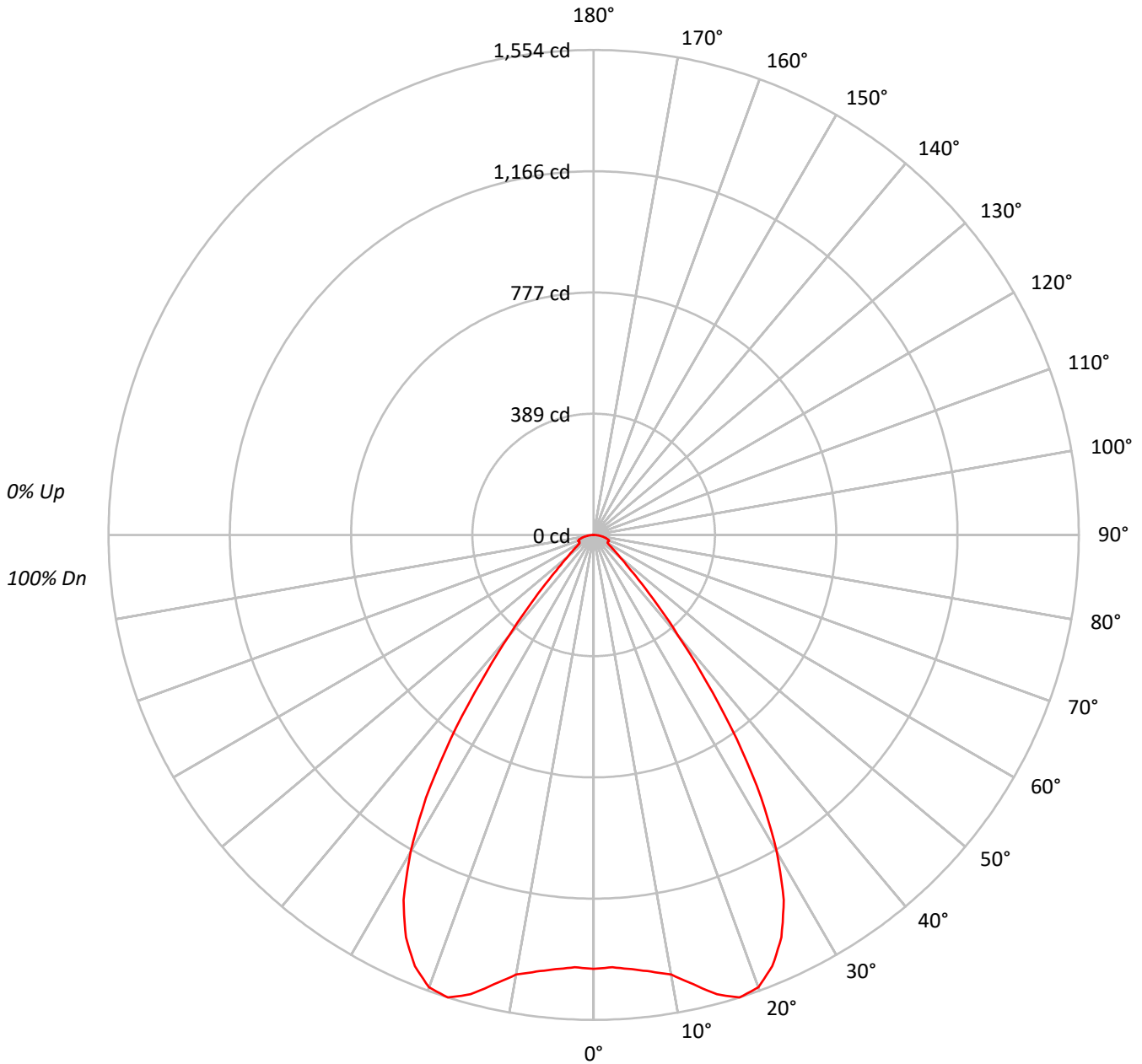
Lumens per Lamp: N/A  
Luminaire Lumens: 2043.5 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	100	100	100	100	100	100	100	100	100	100																
	1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91	91	91	91	91	91	91	91	91																
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82	82	82	82	82	82	82	82	82																
	3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	75	75	75	75	75	75	75	75	75	75																
	4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69	69	69	69	69	69	69	69	69	69	69	69																
	5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63	63	63	63	63	63	63	63	63	63	63	63																
	6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58	58	58	58	58	58	58	58	58	58	58	58																
	7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54	54	54	54	54	54	54	54	54	54	54	54																
	8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50	50	50	50	50	50	50	50	50																
	9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46	46	46	46	46	46	46	46	46	46																
	10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43	43	43	43	43	43	43	43	43	43	43	43																

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

	0°
0°	76216
5°	76865
10°	79636
15°	86499
20°	89981
25°	86061
30°	74271
35°	53478
40°	30128
45°	15614
50°	9305
55°	6700
60°	5701
65°	6564
70°	8335
75°	8811
80°	8619
85°	8177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.4	6.6
10°-20°	429.9	21.0
20°-30°	642.5	31.4
30°-40°	491.2	24.0
40°-50°	171.5	8.4
50°-60°	65.4	3.2
60°-70°	51.3	2.5
70°-80°	43.4	2.1
80°-90°	14.0	0.7
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°	1206.8	59.1
0°-40°	1698.0	83.1
0°-60°	1934.9	94.7
0°-90°	2043.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1390	
5°	1397	134
15°	1524	430
25°	1423	643
35°	799	491
45°	201	172
55°	70	65
65°	51	51
75°	42	43
85°	13	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1390.3
2.5°	1386.5
5°	1396.8
7.5°	1411.2
10°	1430.6
12.5°	1474.8
15°	1524.1
17.5°	1554.0
20°	1542.4
22.5°	1495.6
25°	1422.8
27.5°	1318.8
30°	1173.3
32.5°	999.2
35°	799.1
37.5°	592.6
40°	421.0
42.5°	294.9
45°	201.4
47.5°	141.6
50°	109.1
52.5°	85.8
55°	70.1
57.5°	57.2
60°	52.0
62.5°	50.6
65°	50.6
67.5°	53.3
70°	52.0
72.5°	48.0
75°	41.6
77.5°	35.1
80°	27.3
82.5°	19.5
85°	13.0
87.5°	5.2
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)