

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: P581894

Luminaire Tested: **HCC6S20D010SL-HM60525840-61MDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S20D010SL-HM60525840-61MDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

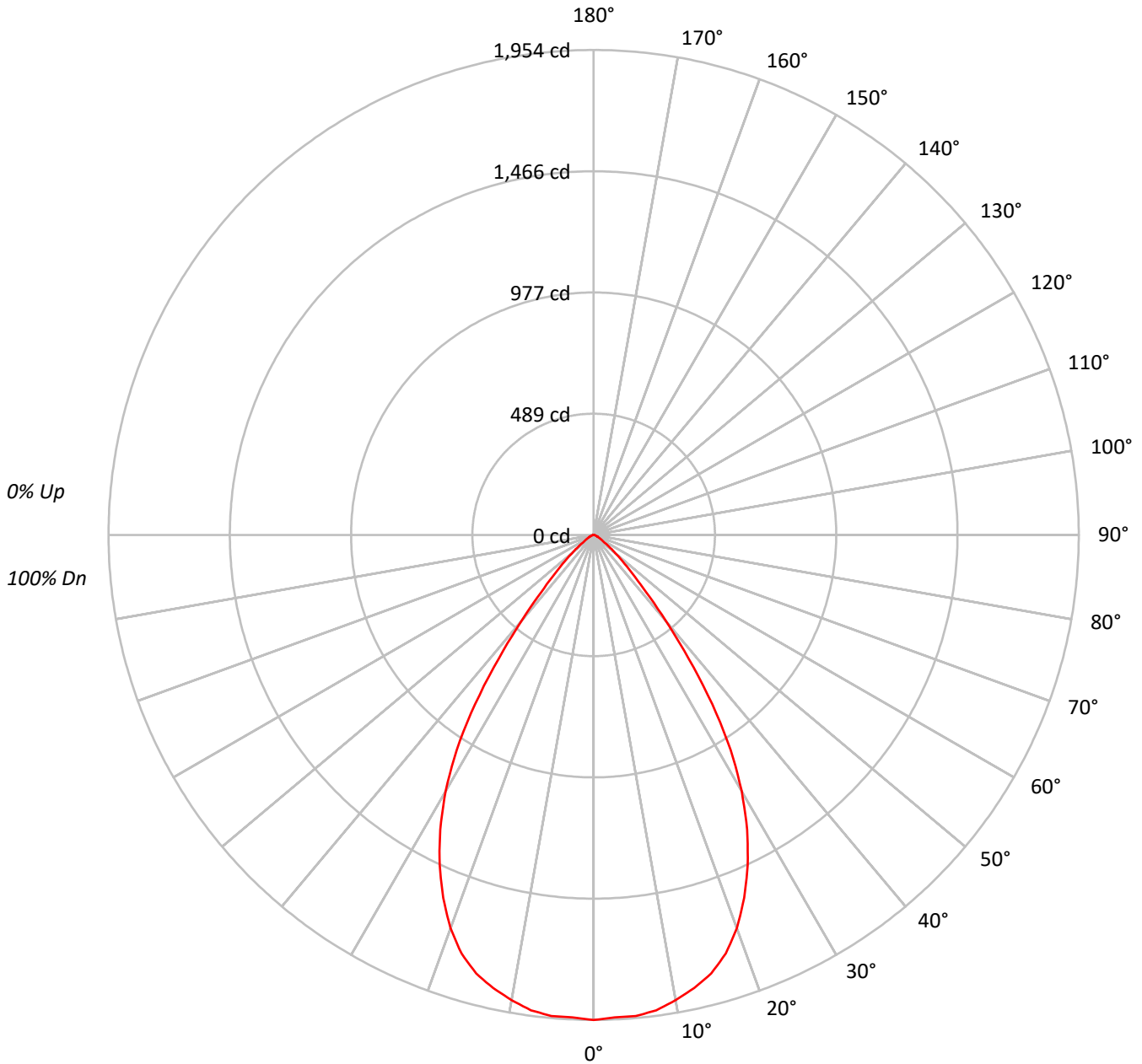
Lumens per Lamp: N/A  
Luminaire Lumens: 2139.4 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581894  
CATALOG NUMBER: HCC6S20D010SL-HM60525840-61MDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581894

CATALOG NUMBER: HCC6S20D010SL-HM60525840-61MDH

**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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93			93	
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85	
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79			79	
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72			72	
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67			67	
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62			62	
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57			57	
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53	
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50			50	
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47			47	

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

	0°
0°	107146
5°	107060
10°	105943
15°	103814
20°	98341
25°	88801
30°	75442
35°	55700
40°	32210
45°	17095
50°	9663
55°	5056
60°	3322
65°	2348
70°	1683
75°	1271
80°	979
85°	943



TEST NUMBER: P581894  
 CATALOG NUMBER: HCC6S20D010SL-HM60525840-61MDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.4	8.6
10°-20°	511.6	23.9
20°-30°	667.8	31.2
30°-40°	510.3	23.9
40°-50°	184.7	8.6
50°-60°	53.7	2.5
60°-70°	19.2	0.9
70°-80°	6.6	0.3
80°-90°	1.2	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°	1363.7	63.7
0°-40°	1874.0	87.6
0°-60°	2112.4	98.7
0°-90°	2139.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1954	
5°	1946	184
15°	1829	512
25°	1468	668
35°	832	510
45°	220	185
55°	53	54
65°	18	19
75°	6	7
85°	2	1
90°	0	



TEST NUMBER: P581894  
CATALOG NUMBER: HCC6S20D010SL-HM60525840-61MDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1954.5
2.5°	1945.5
5°	1945.5
7.5°	1931.9
10°	1903.2
12.5°	1870.0
15°	1829.2
17.5°	1768.7
20°	1685.7
22.5°	1583.0
25°	1468.1
27.5°	1338.3
30°	1191.8
32.5°	1027.1
35°	832.3
37.5°	628.4
40°	450.1
42.5°	311.1
45°	220.5
47.5°	158.6
50°	113.3
52.5°	80.1
55°	52.9
57.5°	37.7
60°	30.3
62.5°	24.1
65°	18.1
67.5°	15.1
70°	10.5
72.5°	7.6
75°	6.0
77.5°	4.5
80°	3.1
82.5°	1.5
85°	1.5
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)