

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: P581970

Luminaire Tested: **HCC6S20D010SL-HM60525940-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S20D010SL-HM60525940-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

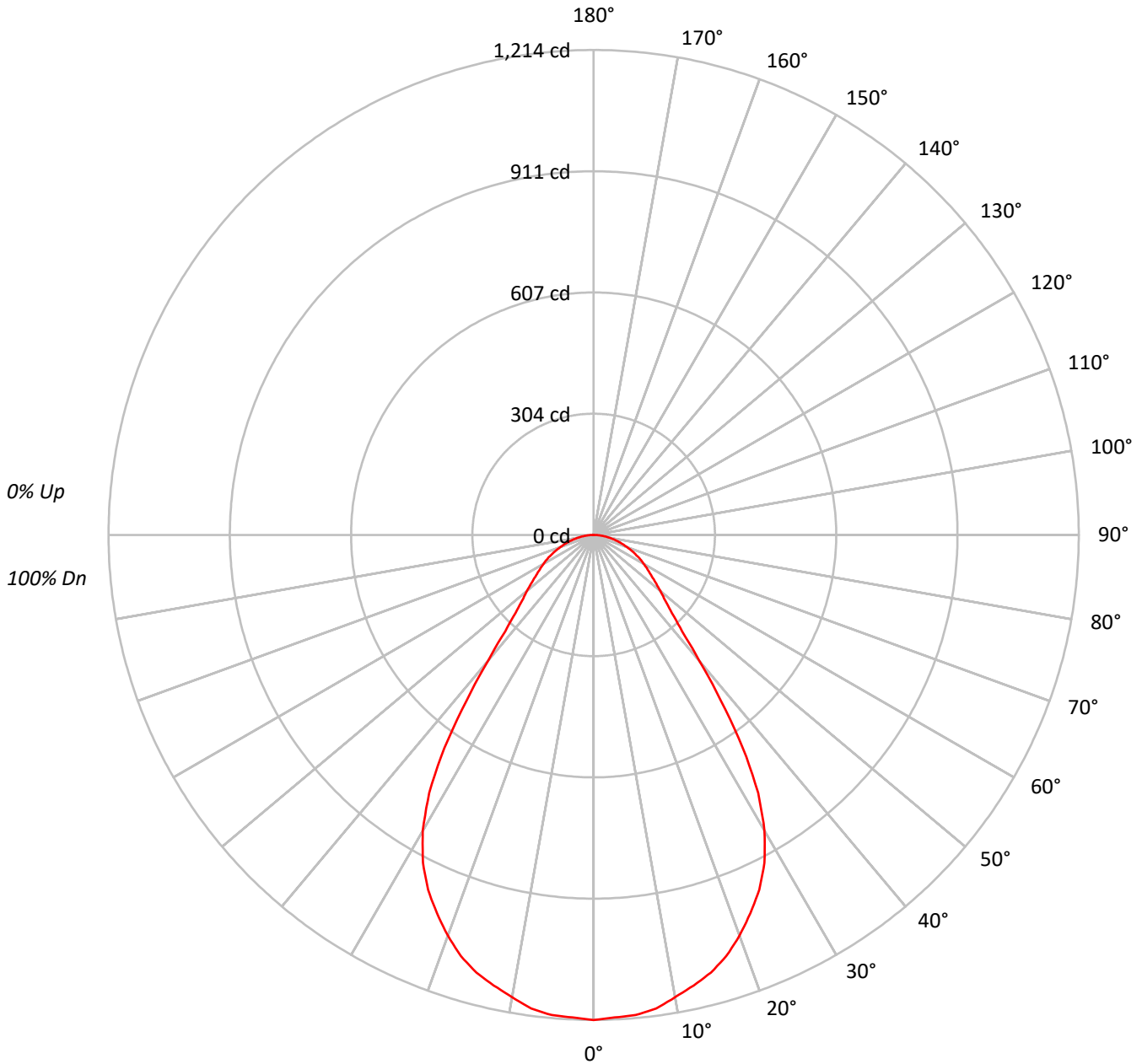
Lumens per Lamp: N/A
Luminaire Lumens: 1862.5 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (A_{in}): 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: P581970
CATALOG NUMBER: HCC6S20D010SL-HM60525940-61PSMDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P581970

CATALOG NUMBER: HCC6S20D010SL-HM60525940-61PSMDW

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66579
5°	66393
10°	65402
15°	64365
20°	62253
25°	59290
30°	54135
35°	43580
40°	29376
45°	21421
50°	18515
55°	16716
60°	15865
65°	15021
70°	14121
75°	13365
80°	12438
85°	11636



TEST NUMBER: P581970
 CATALOG NUMBER: HCC6S20D010SL-HM60525940-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	6.1
10°-20°	318.5	17.1
20°-30°	447.5	24.0
30°-40°	398.3	21.4
40°-50°	222.6	12.0
50°-60°	158.6	8.5
60°-70°	115.4	6.2
70°-80°	66.8	3.6
80°-90°	20.8	1.1
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°	880.2	47.3
0°-40°	1278.5	68.6
0°-60°	1659.7	89.1
0°-90°	1862.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1862.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1214	
5°	1206	114
15°	1134	318
25°	980	447
35°	651	398
45°	276	223
55°	175	159
65°	116	115
75°	63	67
85°	18	21
90°	0	



TEST NUMBER: P581970
CATALOG NUMBER: HCC6S20D010SL-HM60525940-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1214.5
2.5°	1209.1
5°	1206.5
7.5°	1196.0
10°	1174.9
12.5°	1155.2
15°	1134.1
17.5°	1105.2
20°	1067.1
22.5°	1024.9
25°	980.2
27.5°	925.0
30°	855.2
32.5°	765.8
35°	651.2
37.5°	522.3
40°	410.5
42.5°	327.7
45°	276.3
47.5°	242.1
50°	217.1
52.5°	194.8
55°	174.9
57.5°	159.2
60°	144.7
62.5°	131.5
65°	115.8
67.5°	102.6
70°	88.1
72.5°	75.0
75°	63.1
77.5°	51.3
80°	39.4
82.5°	28.9
85°	18.5
87.5°	9.2
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)