

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: P581881

Luminaire Tested: **HCC6S20D010SL-HM60525835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581881
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-HM60525835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

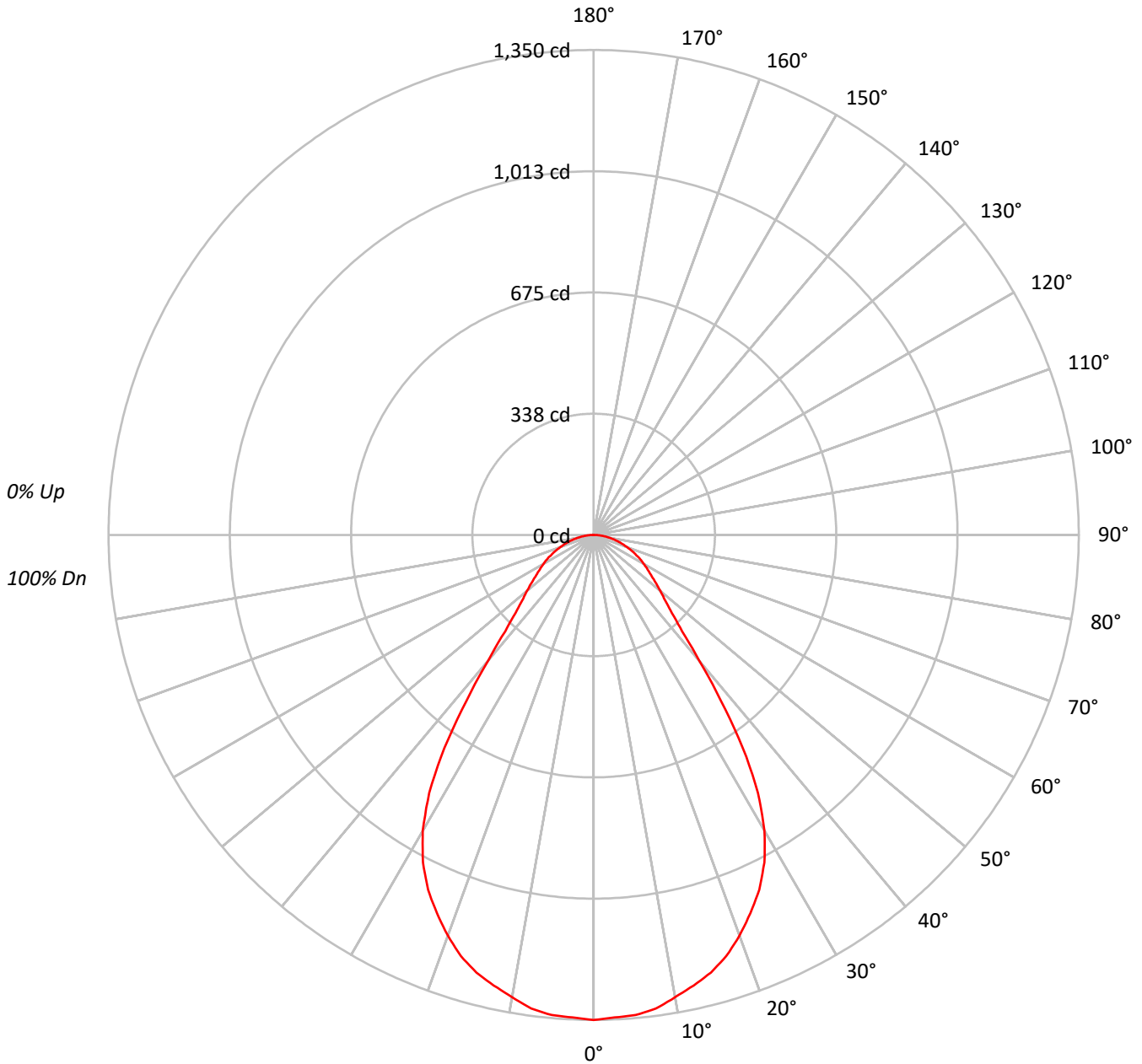
Lumens per Lamp: N/A
Luminaire Lumens: 2071.1 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581881
CATALOG NUMBER: HCC6S20D010SL-HM60525835-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P581881
 CATALOG NUMBER: HCC6S20D010SL-HM60525835-61PSMDW

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		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°	74029
5°	73828
10°	72727
15°	71572
20°	69224
25°	65925
30°	60193
35°	48466
40°	32668
45°	23824
50°	20588
55°	18590
60°	17641
65°	16694
70°	15708
75°	14869
80°	13828
85°	12894



TEST NUMBER: P581881
 CATALOG NUMBER: HCC6S20D010SL-HM60525835-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	6.1
10°-20°	354.2	17.1
20°-30°	497.6	24.0
30°-40°	442.9	21.4
40°-50°	247.5	12.0
50°-60°	176.3	8.5
60°-70°	128.3	6.2
70°-80°	74.3	3.6
80°-90°	23.1	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°	978.7	47.3
0°-40°	1421.6	68.6
0°-60°	1845.5	89.1
0°-90°	2071.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2071.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1350	
5°	1342	127
15°	1261	354
25°	1090	498
35°	724	443
45°	307	248
55°	194	176
65°	129	128
75°	70	74
85°	20	23
90°	0	



TEST NUMBER: P581881
CATALOG NUMBER: HCC6S20D010SL-HM60525835-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1350.4
2.5°	1344.5
5°	1341.6
7.5°	1329.9
10°	1306.5
12.5°	1284.6
15°	1261.1
17.5°	1229.0
20°	1186.6
22.5°	1139.7
25°	1089.9
27.5°	1028.5
30°	950.9
32.5°	851.4
35°	724.2
37.5°	580.8
40°	456.5
42.5°	364.3
45°	307.3
47.5°	269.2
50°	241.4
52.5°	216.5
55°	194.5
57.5°	177.0
60°	160.9
62.5°	146.3
65°	128.7
67.5°	114.1
70°	98.0
72.5°	83.4
75°	70.2
77.5°	57.1
80°	43.8
82.5°	32.2
85°	20.5
87.5°	10.2
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)