

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: P581916

Luminaire Tested: **HCC6S20D010BZ-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S20D010BZ-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

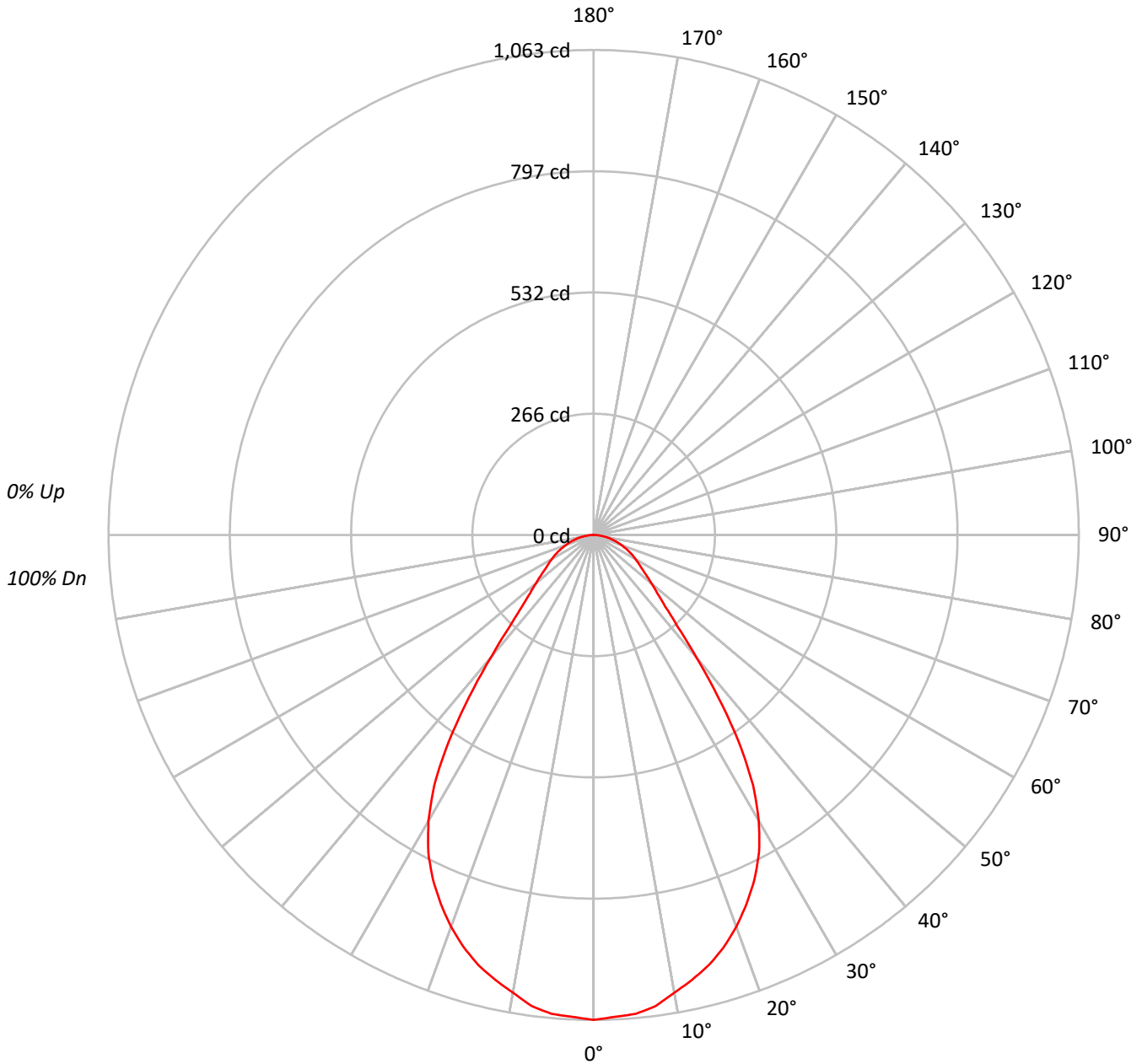
Lumens per Lamp: N/A
Luminaire Lumens: 1538.6 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581916
CATALOG NUMBER: HCC6S20D010BZ-HM60525927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581916

CATALOG NUMBER: HCC6S20D010BZ-HM60525927-61NDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58274
5°	57996
10°	56718
15°	55386
20°	53304
25°	50410
30°	45817
35°	37089
40°	25004
45°	17180
50°	14081
55°	12320
60°	11655
65°	11013
70°	10338
75°	9807
80°	8934
85°	7862



TEST NUMBER: P581916
 CATALOG NUMBER: HCC6S20D010BZ-HM60525927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	6.5
10°-20°	274.1	17.8
20°-30°	380.7	24.7
30°-40°	339.0	22.0
40°-50°	180.0	11.7
50°-60°	117.7	7.6
60°-70°	84.4	5.5
70°-80°	48.9	3.2
80°-90°	14.4	0.9
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°	754.3	49.0
0°-40°	1093.3	71.1
0°-60°	1391.0	90.4
0°-90°	1538.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1063	
5°	1054	99
15°	976	274
25°	833	381
35°	554	339
45°	222	180
55°	129	118
65°	85	84
75°	46	49
85°	12	14
90°	0	



TEST NUMBER: P581916
CATALOG NUMBER: HCC6S20D010BZ-HM60525927-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1063.0
2.5°	1057.3
5°	1053.9
7.5°	1041.5
10°	1018.9
12.5°	998.5
15°	975.9
17.5°	947.6
20°	913.7
22.5°	875.2
25°	833.4
27.5°	784.8
30°	723.8
32.5°	650.2
35°	554.2
37.5°	447.8
40°	349.4
42.5°	271.4
45°	221.6
47.5°	188.9
50°	165.1
52.5°	145.9
55°	128.9
57.5°	116.5
60°	106.3
62.5°	96.1
65°	84.9
67.5°	74.7
70°	64.5
72.5°	55.4
75°	46.3
77.5°	37.3
80°	28.3
82.5°	20.4
85°	12.5
87.5°	5.7
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)