

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: P581850

Luminaire Tested: **HCC6W20D010BZ-HM60525827-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525827-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

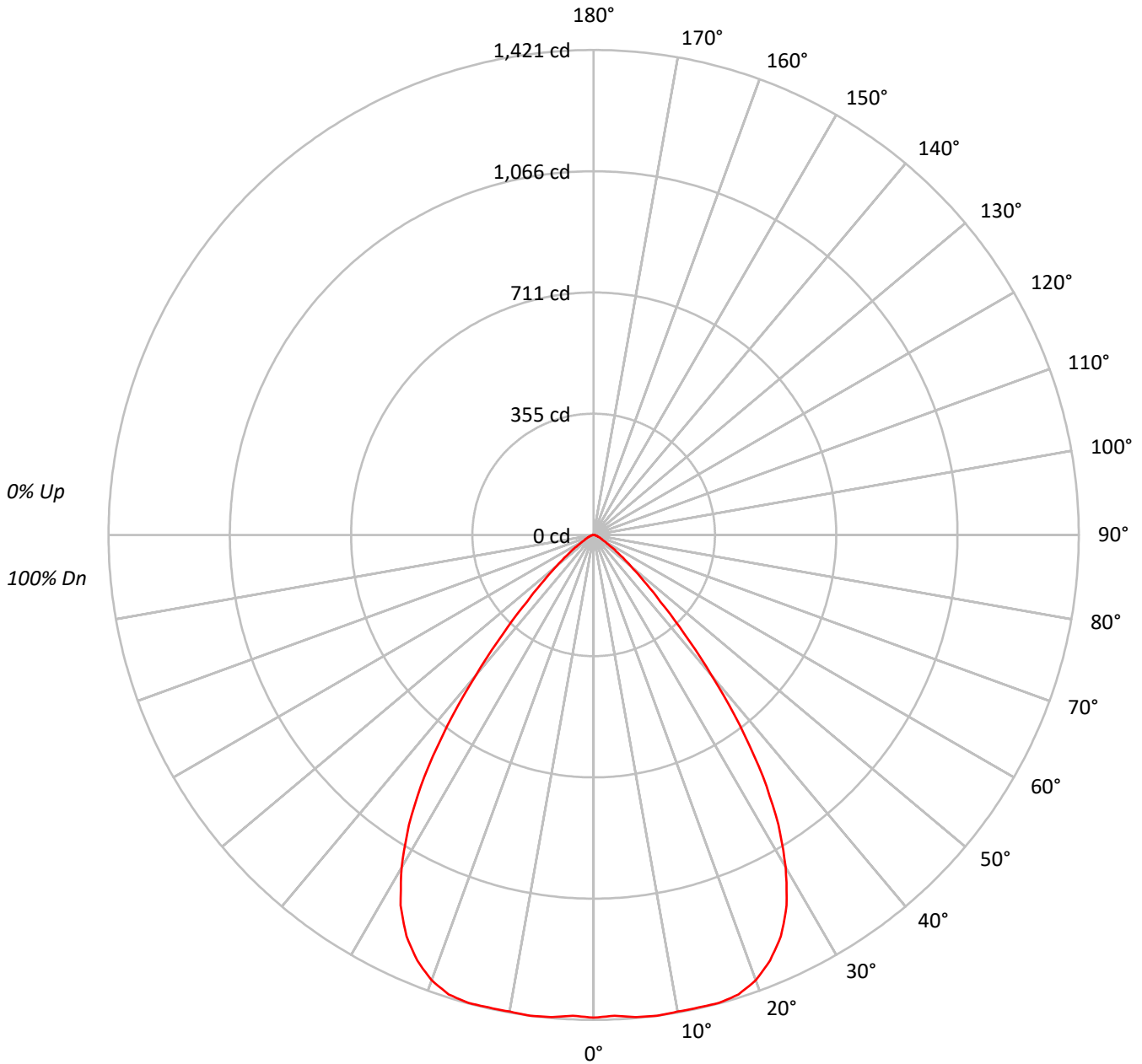
Lumens per Lamp: N/A
Luminaire Lumens: 1979.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581850
CATALOG NUMBER: HCC6W20D010BZ-HM60525827-61WDH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581850

CATALOG NUMBER: HCC6W20D010BZ-HM60525827-61WDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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																											
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92																											
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84																											
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77																											
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70																											
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																											
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59																											
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54																											
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50																											
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46																											
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77532
5°	78048
10°	78951
15°	80568
20°	81020
25°	78494
30°	71213
35°	57902
40°	38429
45°	21390
50°	11991
55°	6662
60°	3673
65°	2776
70°	1923
75°	1419
80°	852
85°	881



TEST NUMBER: P581850
 CATALOG NUMBER: HCC6W20D010BZ-HM60525827-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	6.8
10°-20°	400.3	20.2
20°-30°	590.0	29.8
30°-40°	527.7	26.7
40°-50°	228.9	11.6
50°-60°	67.3	3.4
60°-70°	21.4	1.1
70°-80°	7.6	0.4
80°-90°	1.1	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°	1125.6	56.9
0°-40°	1653.3	83.5
0°-60°	1949.5	98.5
0°-90°	1979.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1414	
5°	1418	135
15°	1420	400
25°	1298	590
35°	865	528
45°	276	229
55°	70	67
65°	21	21
75°	7	8
85°	1	1
90°	0	



TEST NUMBER: P581850
CATALOG NUMBER: HCC6W20D010BZ-HM60525827-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1414.3
2.5°	1410.2
5°	1418.3
7.5°	1421.0
10°	1418.3
12.5°	1418.3
15°	1419.6
17.5°	1411.6
20°	1388.8
22.5°	1350.0
25°	1297.7
27.5°	1224.1
30°	1125.0
32.5°	1007.1
35°	865.2
37.5°	703.1
40°	537.0
42.5°	392.4
45°	275.9
47.5°	196.9
50°	140.6
52.5°	100.5
55°	69.7
57.5°	46.9
60°	33.5
62.5°	26.7
65°	21.4
67.5°	16.1
70°	12.0
72.5°	9.4
75°	6.7
77.5°	5.3
80°	2.7
82.5°	1.4
85°	1.4
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)