

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: P581936

Luminaire Tested: **HCC6W20D010BZ-HM60525930-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010BZ-HM60525930-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

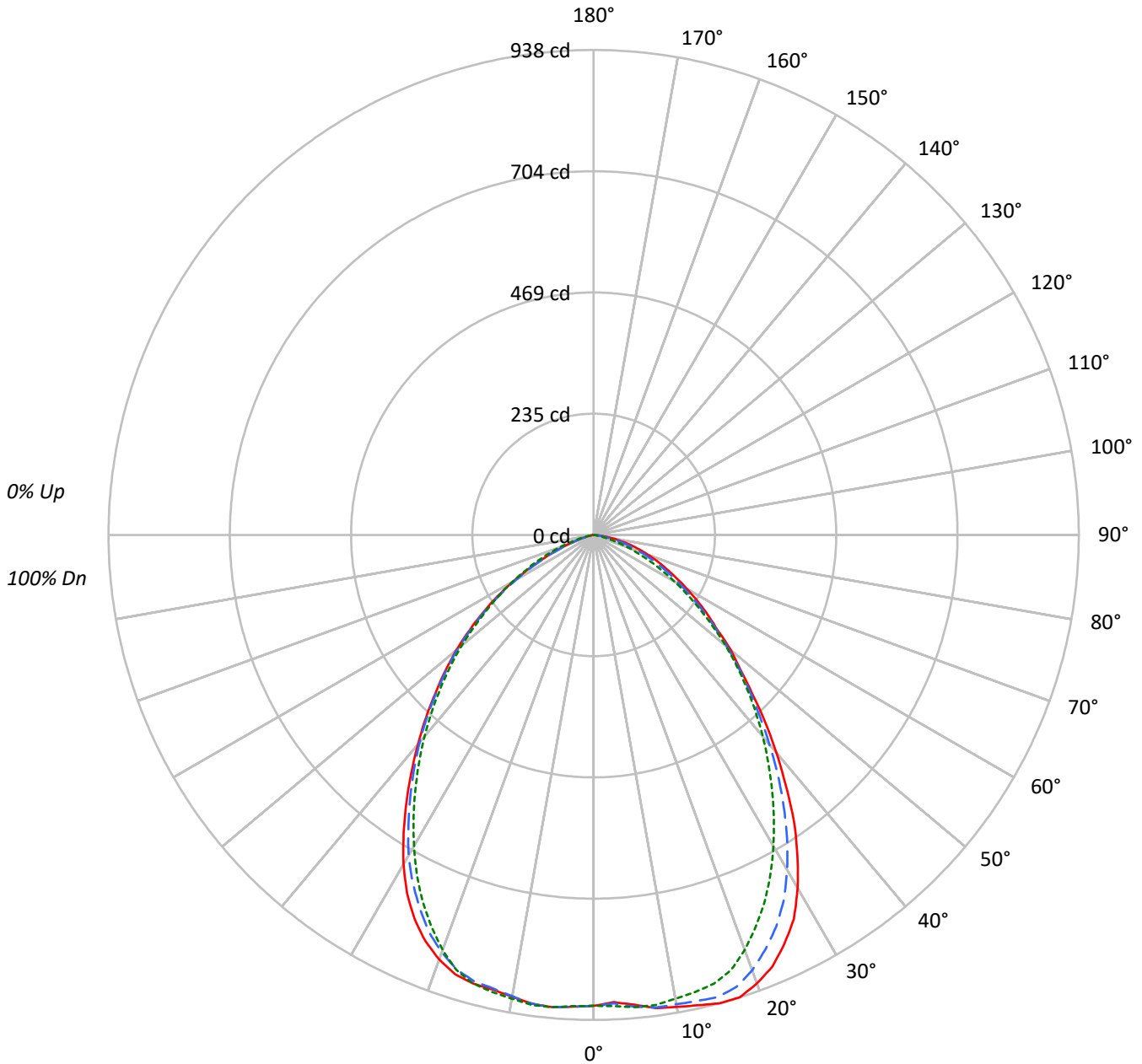
Lumens per Lamp: N/A
Luminaire Lumens: 1838.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): 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: P581936
CATALOG NUMBER: HCC6W20D010BZ-HM60525930-61RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P581936

CATALOG NUMBER: HCC6W20D010BZ-HM60525930-61RWWC

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	94	92	90	88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	49930	49930	49930
5°	50187	50457	50457
10°	51591	50700	50495
15°	53230	50993	50993
20°	53858	49827	50976
25°	52775	47325	49569
30°	49919	43981	46558
35°	45173	40227	42202
40°	39302	36390	37799
45°	33577	32437	33577
50°	29475	28417	29577
55°	25720	23942	24888
60°	22728	19889	19615
65°	20158	15683	13452
70°	17791	11076	8110
75°	15166	6270	3918
80°	11302	1926	1168
85°	6227	755	755



TEST NUMBER: P581936
 CATALOG NUMBER: HCC6W20D010BZ-HM60525930-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	4.8
10°-20°	255.6	13.9
20°-30°	373.3	20.3
30°-40°	391.5	21.3
40°-50°	329.8	17.9
50°-60°	231.1	12.6
60°-70°	123.9	6.7
70°-80°	41.5	2.3
80°-90°	4.5	0.2
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°	716.3	39.0
0°-40°	1107.8	60.2
0°-60°	1668.8	90.8
0°-90°	1838.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	911	911	911	911	911	
5°	912	916	917	917	917	88
15°	938	926	898	894	898	265
25°	872	836	782	796	820	400
35°	675	640	601	618	631	419
45°	433	426	418	430	433	337
55°	269	260	250	256	260	242
65°	155	142	121	100	104	155
75°	72	56	30	18	18	76
85°	10	5	1	1	1	14
90°	0	0	0	0	0	



TEST NUMBER: P581936

CATALOG NUMBER: HCC6W20D010BZ-HM60525930-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	910.8	910.8	910.8	910.8	910.8	910.8	910.8	910.8	910.8
2.5°	904.6	904.6	907.1	909.6	912.0	912.0	913.2	914.4	913.2
5°	912.0	912.0	915.7	916.9	916.9	915.7	916.9	916.9	916.9
7.5°	923.2	920.7	921.9	919.4	916.9	915.7	914.4	914.4	914.4
10°	926.8	924.3	921.9	916.9	910.8	907.1	905.8	907.1	907.1
12.5°	931.8	929.3	923.2	913.2	905.8	899.7	898.5	900.8	900.8
15°	937.9	935.4	925.5	909.6	898.5	892.2	893.5	896.0	898.5
17.5°	937.9	933.0	916.9	896.0	882.4	876.3	881.1	887.4	891.0
20°	923.2	918.2	896.0	870.0	854.1	850.3	858.9	870.0	873.8
22.5°	903.3	893.5	867.5	836.7	819.5	819.5	831.7	845.3	850.3
25°	872.5	865.2	835.5	799.7	782.4	781.2	796.0	814.5	819.5
27.5°	838.0	828.1	796.0	759.0	740.4	741.7	757.8	776.2	781.2
30°	788.6	776.2	747.9	712.1	694.8	699.7	715.8	729.3	735.5
32.5°	733.1	721.9	696.0	662.7	648.0	652.8	666.4	678.8	683.7
35°	675.0	662.7	640.5	610.9	601.1	605.9	618.3	628.1	630.6
37.5°	609.7	601.1	585.0	561.5	554.2	560.3	570.1	576.4	578.8
40°	549.2	541.8	528.2	510.9	508.5	513.4	523.2	527.0	528.2
42.5°	489.9	483.8	475.2	462.8	462.8	467.7	476.3	478.8	480.1
45°	433.1	429.5	425.8	415.9	418.4	424.5	429.5	433.1	433.1
47.5°	383.9	385.0	380.1	372.6	375.1	381.4	385.0	388.7	388.7
50°	345.6	341.8	337.0	329.5	333.2	338.2	343.1	345.6	346.8
52.5°	301.2	299.9	296.2	287.6	290.0	292.4	297.4	301.2	302.4
55°	269.1	265.3	260.4	250.5	250.5	253.0	255.5	258.0	260.4
57.5°	238.2	234.5	227.1	215.9	214.7	214.7	213.5	215.9	219.7
60°	207.3	206.1	195.0	185.1	181.4	177.8	172.8	174.0	178.9
62.5°	180.1	177.8	167.8	155.4	148.1	142.0	135.7	134.5	139.5
65°	155.4	153.1	142.0	129.6	120.9	109.8	99.9	99.9	103.7
67.5°	133.2	128.4	118.5	104.9	93.8	80.2	70.4	72.9	74.1
70°	111.0	107.4	96.3	82.7	69.1	55.5	49.4	50.6	50.6
72.5°	91.3	86.3	75.2	61.7	48.2	35.8	33.3	32.1	32.1
75°	71.6	66.6	55.5	41.9	29.6	21.0	18.5	18.5	18.5
77.5°	51.8	48.2	38.3	25.9	16.1	9.9	8.6	7.4	7.4
80°	35.8	32.1	23.5	13.6	6.1	3.7	3.7	3.7	3.7
82.5°	21.0	17.2	11.1	6.1	2.5	1.2	1.2	1.2	1.2
85°	9.9	7.4	5.0	2.5	1.2	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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° - - 45°-225° - - - - 90°-270°

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)