

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: P581853

Luminaire Tested: **HCC6W20D010SL-HM60525827-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010SL-HM60525827-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

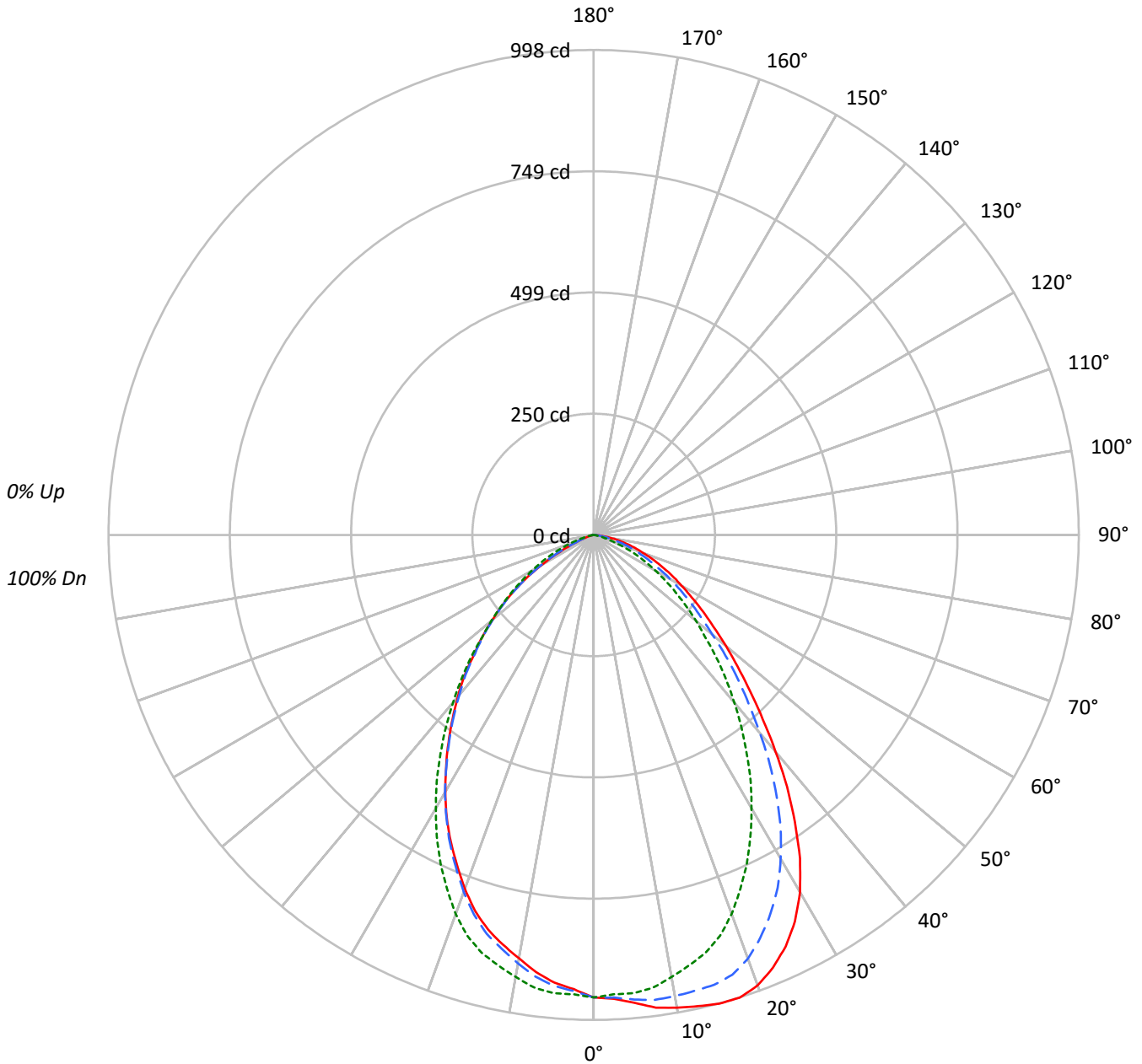
Lumens per Lamp: N/A
Luminaire Lumens: 1695.9 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581853
CATALOG NUMBER: HCC6W20D010SL-HM60525827-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581853

CATALOG NUMBER: HCC6W20D010SL-HM60525827-61WWBB

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	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	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	52172	52172	52172
5°	53181	52074	50897
10°	54992	51413	49253
15°	56669	50517	47707
20°	57551	48415	45212
25°	56513	45093	42099
30°	53717	41095	38633
35°	48285	36727	34847
40°	41664	32182	31130
45°	35283	27701	26987
50°	30251	23402	23172
55°	26226	19698	18924
60°	22893	15997	13508
65°	20132	12336	7472
70°	17375	8158	3654
75°	14742	3961	1419
80°	11397	1673	852
85°	6793	881	881



TEST NUMBER: P581853
 CATALOG NUMBER: HCC6W20D010SL-HM60525827-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	5.3
10°-20°	254.0	15.0
20°-30°	357.6	21.1
30°-40°	365.4	21.5
40°-50°	294.6	17.4
50°-60°	197.6	11.7
60°-70°	100.0	5.9
70°-80°	32.0	1.9
80°-90°	5.0	0.3
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°	701.4	41.4
0°-40°	1066.8	62.9
0°-60°	1559.0	91.9
0°-90°	1695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	952	952	952	952	952	
5°	966	960	946	932	925	93
15°	998	958	890	850	841	282
25°	934	861	746	700	696	428
35°	722	656	549	518	521	449
45°	455	419	357	345	348	354
55°	274	244	206	197	198	247
65°	155	128	95	63	58	155
75°	70	50	19	7	7	75
85°	11	5	1	1	1	14
90°	0	0	0	0	0	

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



TEST NUMBER: P581853

CATALOG NUMBER: HCC6W20D010SL-HM60525827-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	951.7	951.7	951.7	951.7	951.7	951.7	951.7	951.7	951.7
2.5°	955.7	954.3	953.0	950.4	946.3	942.3	939.6	937.0	935.6
5°	966.4	963.7	959.7	954.3	946.3	937.0	931.6	926.2	924.9
7.5°	981.2	975.7	965.1	953.0	939.6	926.2	916.8	911.5	907.5
10°	987.9	978.5	963.7	943.7	923.6	907.5	895.4	887.5	884.8
12.5°	993.2	982.4	961.0	934.3	907.5	886.1	872.7	866.1	863.3
15°	998.5	987.9	958.4	923.6	890.1	864.7	850.0	843.3	840.6
17.5°	998.5	983.8	949.0	904.8	864.7	833.9	819.2	812.5	811.1
20°	986.5	970.4	927.6	875.4	829.9	795.0	781.7	777.7	775.0
22.5°	963.7	945.0	896.8	837.9	788.3	754.9	740.2	737.5	734.9
25°	934.3	915.6	860.6	797.7	745.5	712.1	700.1	697.4	696.0
27.5°	896.8	876.7	819.2	754.9	698.7	666.5	655.9	655.9	654.5
30°	848.6	825.8	769.6	705.4	649.2	619.8	611.7	611.7	610.3
32.5°	789.7	766.9	716.1	654.5	600.9	570.2	563.6	566.2	564.8
35°	721.5	702.7	655.9	595.6	548.8	520.7	518.0	520.7	520.7
37.5°	653.2	635.8	595.6	543.4	499.3	473.8	473.8	477.9	476.5
40°	582.2	568.9	531.4	485.8	449.7	432.4	429.6	433.7	435.0
42.5°	515.3	504.6	472.5	435.0	402.9	385.4	389.5	392.1	393.5
45°	455.1	444.4	419.0	380.1	357.3	345.3	345.3	349.3	348.1
47.5°	401.5	393.5	368.1	330.6	310.6	305.2	307.8	310.6	310.6
50°	354.7	342.6	318.6	289.1	274.4	267.7	270.3	271.7	271.7
52.5°	310.6	302.5	278.4	251.6	238.3	234.2	234.2	235.6	235.6
55°	274.4	265.0	243.6	216.9	206.1	200.8	196.8	195.4	198.0
57.5°	239.6	231.6	211.5	186.0	174.0	168.7	160.7	157.9	160.7
60°	208.8	202.1	182.1	157.9	145.9	135.2	125.8	120.4	123.2
62.5°	182.1	174.0	154.0	133.8	120.4	108.4	93.7	85.7	89.7
65°	155.2	148.5	128.5	108.4	95.1	80.3	62.9	57.6	57.6
67.5°	131.2	124.5	105.7	88.4	72.3	54.8	38.9	37.5	38.9
70°	108.4	101.7	85.7	68.3	50.9	33.4	22.8	22.8	22.8
72.5°	89.7	81.7	67.0	49.5	32.2	17.4	12.0	13.4	13.4
75°	69.6	62.9	49.5	33.4	18.7	8.0	6.7	6.7	6.7
77.5°	52.2	46.8	34.8	21.4	9.4	2.7	2.7	2.7	2.7
80°	36.1	30.8	22.8	13.4	5.3	2.7	2.7	2.7	2.7
82.5°	21.4	18.7	13.4	6.7	2.7	1.4	1.4	1.4	1.4
85°	10.8	9.4	5.3	2.7	1.4	1.4	1.4	1.4	1.4
87.5°	2.7	2.7	1.4	1.4	0.0	1.4	1.4	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)