

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: P581962

Luminaire Tested: **HCC6W20D010MB-HM60525935-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010MB-HM60525935-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

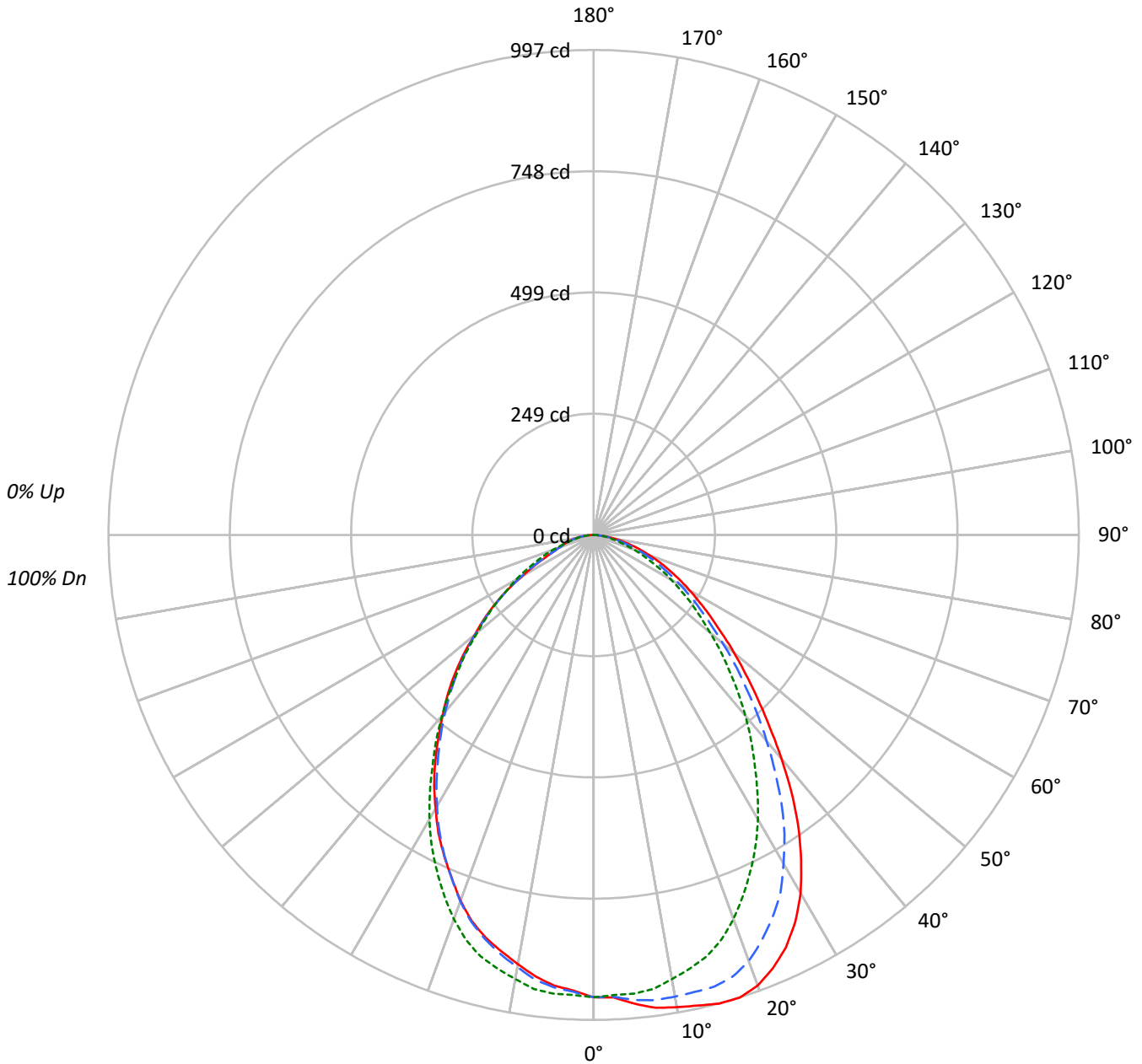
Lumens per Lamp: N/A
Luminaire Lumens: 1861.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581962
CATALOG NUMBER: HCC6W20D010MB-HM60525935-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581962

CATALOG NUMBER: HCC6W20D010MB-HM60525935-61WWWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87		
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52		
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38		
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34		
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	52112	52112	52112
5°	53241	52096	51172
10°	54870	51613	49882
15°	56606	50925	48644
20°	57504	49016	46671
25°	56562	46110	43992
30°	53850	42747	41101
35°	49101	38588	37979
40°	42938	34665	34479
45°	36957	30507	31213
50°	32118	26583	27129
55°	28042	23340	23588
60°	24921	20229	18507
65°	22233	17019	14152
70°	19555	13945	11861
75°	16775	10993	11289
80°	13512	9439	11049
85°	8995	8177	9812



TEST NUMBER: P581962
 CATALOG NUMBER: HCC6W20D010MB-HM60525935-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	4.8
10°-20°	256.2	13.8
20°-30°	365.8	19.6
30°-40°	383.1	20.6
40°-50°	322.6	17.3
50°-60°	229.6	12.3
60°-70°	134.4	7.2
70°-80°	63.6	3.4
80°-90°	16.4	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°	712.0	38.2
0°-40°	1095.1	58.8
0°-60°	1647.3	88.5
0°-90°	1861.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1861.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	951	951	951	951	951	
5°	968	960	947	934	930	93
15°	997	961	897	861	857	282
25°	935	869	762	726	727	428
35°	734	673	577	557	568	456
45°	477	442	394	395	403	370
55°	293	269	244	244	247	265
65°	171	152	131	110	109	171
75°	79	66	52	51	53	85
85°	14	12	13	16	16	19
90°	0	0	0	0	0	

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



TEST NUMBER: P581962

CATALOG NUMBER: HCC6W20D010MB-HM60525935-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6	950.6
2.5°	951.9	951.9	950.6	949.3	946.7	942.9	940.3	937.7	937.7
5°	967.5	964.9	959.8	953.2	946.7	938.9	933.7	929.9	929.9
7.5°	980.5	975.3	964.9	953.2	941.5	931.1	922.0	916.8	915.6
10°	985.7	979.1	963.6	945.4	927.2	913.0	902.5	896.1	896.1
12.5°	990.9	983.1	962.3	936.3	913.0	893.5	883.1	877.8	876.6
15°	997.4	987.0	961.0	928.5	897.3	875.2	861.0	857.1	857.1
17.5°	997.4	984.4	951.9	911.6	872.7	848.1	835.0	831.2	832.4
20°	985.7	971.4	932.5	883.1	840.2	814.3	801.3	798.7	800.0
22.5°	963.6	946.7	902.5	849.3	802.6	775.3	763.6	763.6	762.3
25°	935.1	916.8	868.8	812.9	762.3	735.1	725.9	727.3	727.3
27.5°	897.3	879.2	831.2	771.5	720.7	693.5	686.9	689.5	690.9
30°	850.7	831.2	780.5	722.1	675.3	648.1	644.1	648.1	649.3
32.5°	793.4	779.2	729.9	670.1	626.0	602.5	601.3	605.1	610.3
35°	733.7	718.2	672.7	618.2	576.6	557.1	557.1	563.7	567.5
37.5°	668.8	653.2	611.7	566.3	531.2	513.0	515.5	522.1	523.3
40°	600.0	588.3	553.2	514.3	484.4	470.1	474.0	480.5	481.8
42.5°	535.0	524.7	496.1	461.0	438.9	428.6	433.7	441.5	444.1
45°	476.7	464.9	441.5	411.7	393.5	388.3	394.7	399.9	402.6
47.5°	423.4	413.0	393.5	366.2	353.3	350.7	357.1	359.7	362.3
50°	376.6	366.2	346.7	322.1	311.7	311.7	316.9	319.5	318.1
52.5°	331.2	322.1	303.9	283.1	276.6	276.6	280.5	281.8	284.4
55°	293.4	284.4	268.9	249.4	244.2	241.6	244.2	244.2	246.8
57.5°	258.4	250.6	236.3	218.2	211.6	209.0	207.8	206.4	209.0
60°	227.3	220.8	205.2	189.6	184.5	177.9	172.7	167.6	168.8
62.5°	198.7	192.2	177.9	162.4	157.1	148.1	141.5	135.1	137.7
65°	171.4	165.0	151.9	138.9	131.2	120.8	110.4	106.5	109.1
67.5°	146.7	141.5	128.6	115.6	109.1	97.4	87.0	87.0	88.3
70°	122.0	116.9	106.5	94.8	87.0	76.6	72.7	74.0	74.0
72.5°	100.0	96.1	85.8	75.3	67.5	61.1	61.1	62.3	63.7
75°	79.2	76.6	66.3	57.1	51.9	48.0	50.6	51.9	53.3
77.5°	61.1	57.1	49.4	42.8	39.0	40.2	42.8	44.2	45.4
80°	42.8	41.6	35.0	31.2	29.9	31.2	33.8	35.0	35.0
82.5°	27.3	25.9	22.1	20.7	20.7	22.1	24.7	24.7	24.7
85°	14.3	13.0	11.7	11.7	13.0	14.3	15.6	15.6	15.6
87.5°	5.2	3.9	5.2	5.2	6.5	6.5	6.5	6.5	6.5
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)