

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: P581960

Luminaire Tested: **HCC6S20D010MB-HM60525935-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581960
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: HCC6S20D010MB-HM60525935-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

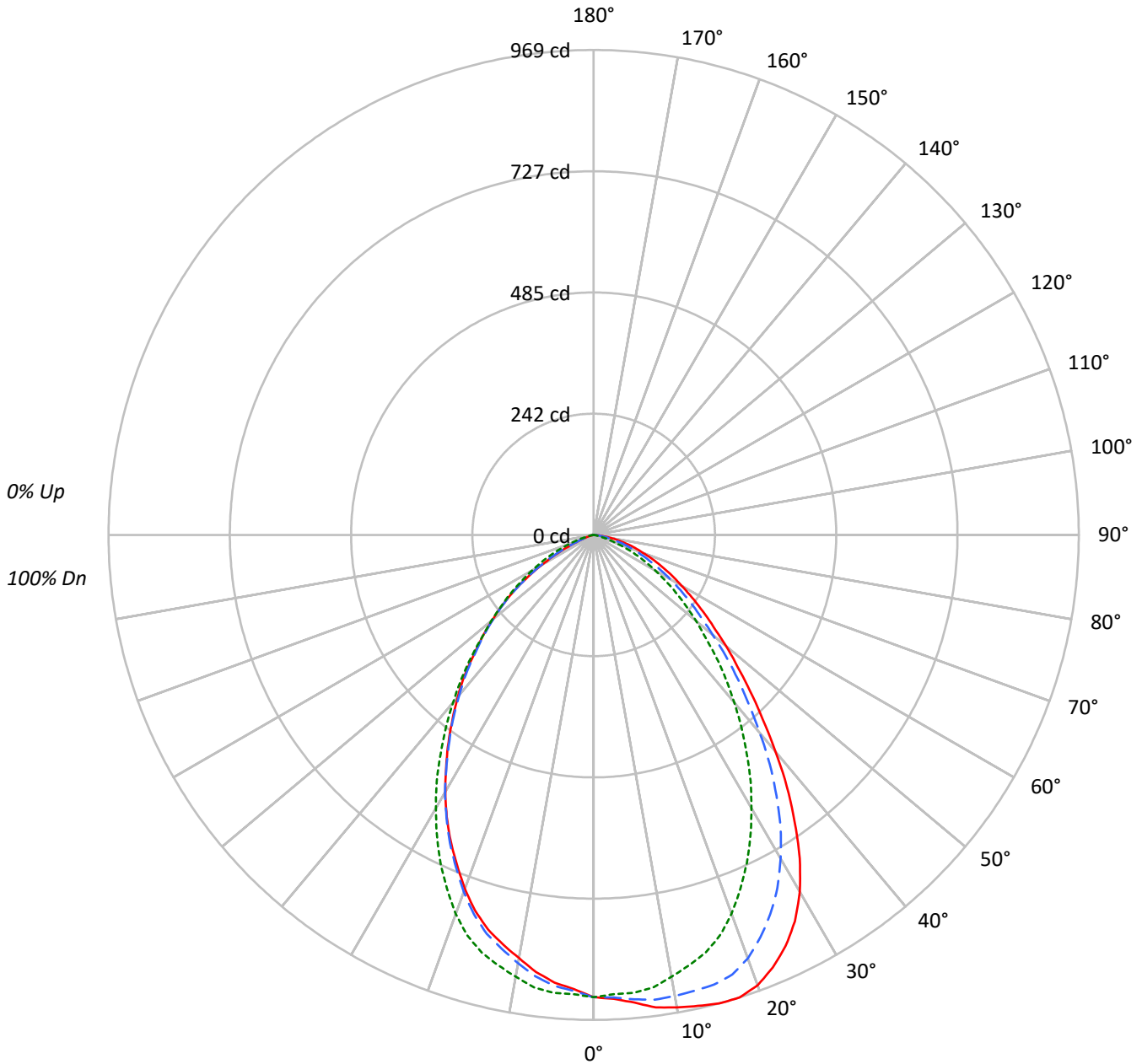
Lumens per Lamp: N/A
Luminaire Lumens: 1646.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (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: P581960
CATALOG NUMBER: HCC6S20D010MB-HM60525935-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581960

CATALOG NUMBER: HCC6S20D010MB-HM60525935-61WWBB

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	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	67	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°	50632	50632	50632
5°	51618	50545	49400
10°	53367	49899	47800
15°	55006	49030	46306
20°	55859	46986	43882
25°	54844	43769	40859
30°	52141	39886	37499
35°	46860	35643	33816
40°	40440	31237	30214
45°	34236	26887	26181
50°	29364	22720	22498
55°	25461	19125	18379
60°	22224	15525	13102
65°	19548	11960	7251
70°	16878	7918	3542
75°	14297	3855	1377
80°	11081	1642	821
85°	6542	755	755



TEST NUMBER: P581960
 CATALOG NUMBER: HCC6S20D010MB-HM60525935-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	5.3
10°-20°	246.5	15.0
20°-30°	347.1	21.1
30°-40°	354.6	21.5
40°-50°	285.9	17.4
50°-60°	191.8	11.7
60°-70°	97.1	5.9
70°-80°	31.0	1.9
80°-90°	4.7	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°	680.8	41.4
0°-40°	1035.4	62.9
0°-60°	1513.2	91.9
0°-90°	1646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1646.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	924	924	924	924	924	
5°	938	931	918	904	898	90
15°	969	930	864	825	816	274
25°	907	835	724	680	676	415
35°	700	636	533	503	505	436
45°	442	407	347	335	338	343
55°	266	236	200	191	192	240
65°	151	125	92	61	56	150
75°	68	48	18	6	6	73
85°	10	5	1	1	1	14
90°	0	0	0	0	0	



TEST NUMBER: P581960

CATALOG NUMBER: HCC6S20D010MB-HM60525935-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6
2.5°	927.6	926.2	925.0	922.4	918.5	914.6	912.0	909.3	908.1
5°	938.0	935.4	931.4	926.2	918.5	909.3	904.1	899.0	897.7
7.5°	952.3	947.1	936.7	925.0	912.0	899.0	889.9	884.6	880.8
10°	958.7	949.7	935.4	915.9	896.4	880.8	869.1	861.3	858.7
12.5°	964.0	953.5	932.8	906.7	880.8	860.1	847.0	840.6	838.0
15°	969.2	958.7	930.2	896.4	863.9	839.2	824.9	818.5	815.9
17.5°	969.2	954.9	921.0	878.2	839.2	809.3	795.0	788.6	787.2
20°	957.5	941.9	900.3	849.6	805.4	771.7	758.7	754.8	752.2
22.5°	935.4	917.2	870.4	813.3	765.2	732.7	718.4	715.8	713.2
25°	906.7	888.6	835.4	774.3	723.6	691.1	679.5	676.9	675.5
27.5°	870.4	850.9	795.0	732.7	678.1	646.9	636.5	636.5	635.3
30°	823.7	801.6	747.0	684.7	630.1	601.5	593.7	593.7	592.4
32.5°	766.5	744.4	695.0	635.3	583.3	553.5	546.9	549.5	548.3
35°	700.2	682.1	636.5	578.1	532.6	505.3	502.7	505.3	505.3
37.5°	633.9	617.0	578.1	527.4	484.6	459.9	459.9	463.7	462.5
40°	565.1	552.1	515.7	471.6	436.5	419.7	417.1	420.9	422.2
42.5°	500.1	489.8	458.6	422.2	391.0	374.1	378.1	380.7	381.9
45°	441.6	431.3	406.6	368.9	346.8	335.1	335.1	339.1	337.7
47.5°	389.8	381.9	357.2	320.9	301.4	296.2	298.8	301.4	301.4
50°	344.3	332.5	309.2	280.6	266.4	259.8	262.4	263.8	263.8
52.5°	301.4	293.6	270.2	244.3	231.2	227.4	227.4	228.6	228.6
55°	266.4	257.2	236.5	210.5	200.1	194.9	191.0	189.7	192.3
57.5°	232.5	224.8	205.3	180.6	168.9	163.7	155.9	153.3	155.9
60°	202.7	196.1	176.6	153.3	141.6	131.2	122.1	116.9	119.5
62.5°	176.6	168.9	149.4	130.0	116.9	105.3	91.0	83.2	87.0
65°	150.7	144.2	124.7	105.3	92.2	78.0	61.1	55.9	55.9
67.5°	127.3	120.8	102.6	85.8	70.1	53.3	37.7	36.4	37.7
70°	105.3	98.7	83.2	66.3	49.4	32.5	22.1	22.1	22.1
72.5°	87.0	79.2	64.9	48.0	31.2	16.9	11.7	13.0	13.0
75°	67.5	61.1	48.0	32.5	18.2	7.8	6.5	6.5	6.5
77.5°	50.6	45.4	33.8	20.7	9.1	2.6	2.6	2.6	2.6
80°	35.1	29.9	22.1	13.0	5.2	2.6	2.6	2.6	2.6
82.5°	20.7	18.2	13.0	6.5	2.6	1.2	1.2	1.2	1.2
85°	10.4	9.1	5.2	2.6	1.2	1.2	1.2	1.2	1.2
87.5°	2.6	2.6	1.2	1.2	0.0	1.2	1.2	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)