

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: P581883

Luminaire Tested: **HCC6W20D010SL-HM60525835-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W20D010SL-HM60525835-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

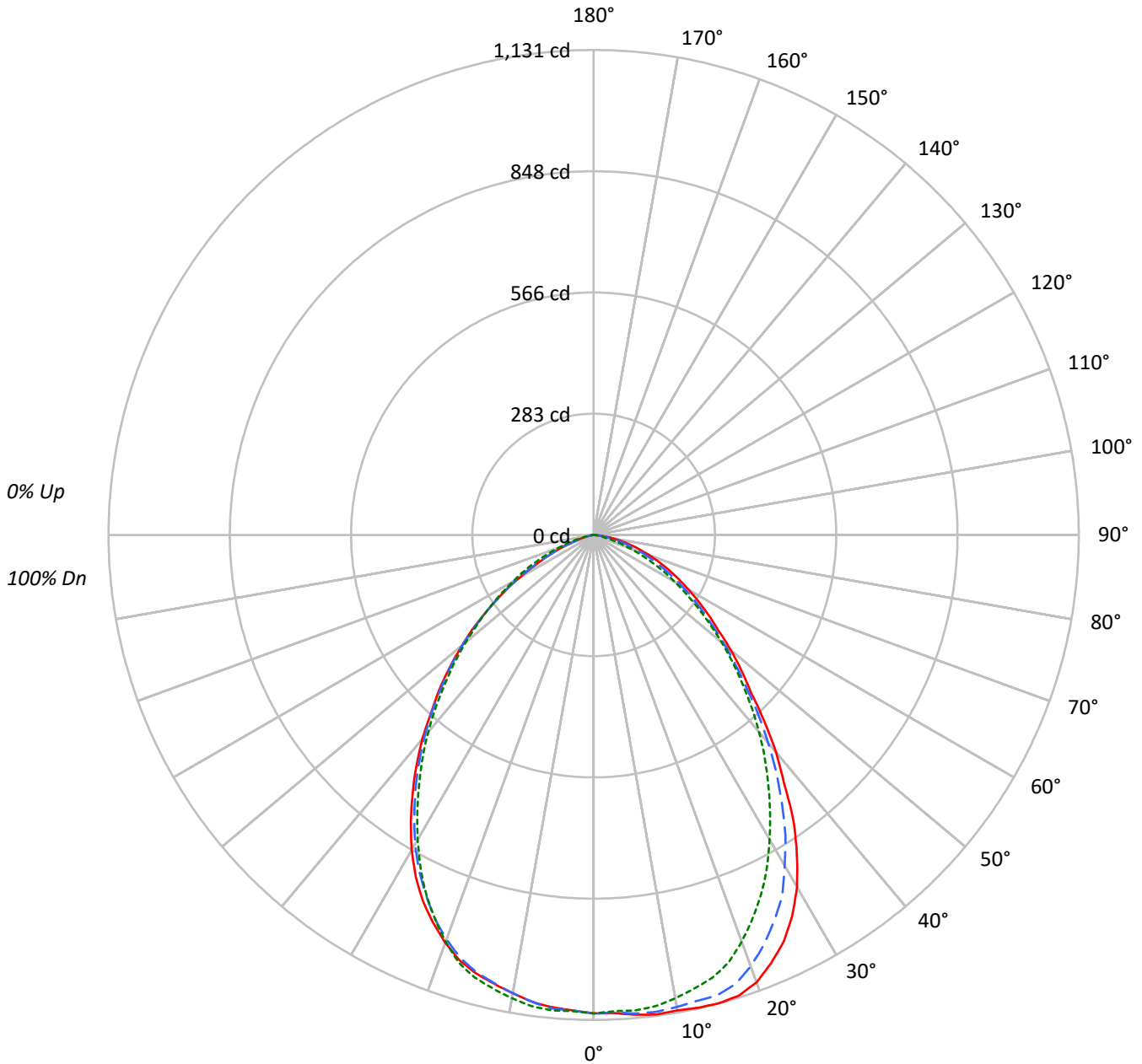
Lumens per Lamp: N/A
Luminaire Lumens: 2186.8 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581883
CATALOG NUMBER: HCC6W20D010SL-HM60525835-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P581883

CATALOG NUMBER: HCC6W20D010SL-HM60525835-61RWWH

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	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
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	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	61179	61179	61179
5°	61815	61253	60846
10°	62691	61065	60414
15°	64166	60681	60097
20°	64761	58875	59044
25°	63342	55915	56979
30°	59997	51938	53698
35°	54328	47475	49235
40°	47310	42916	44483
45°	40144	37988	39353
50°	35547	33184	34054
55°	31320	28386	28243
60°	28057	23891	21972
65°	25048	19159	15734
70°	22023	13832	9841
75°	18597	8366	5571
80°	14301	3694	2336
85°	8240	943	943



TEST NUMBER: P581883
 CATALOG NUMBER: HCC6W20D010SL-HM60525835-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	4.8
10°-20°	304.5	13.9
20°-30°	440.1	20.1
30°-40°	463.1	21.2
40°-50°	389.3	17.8
50°-60°	273.2	12.5
60°-70°	150.3	6.9
70°-80°	53.4	2.4
80°-90°	7.0	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°	850.5	38.9
0°-40°	1313.6	60.1
0°-60°	1976.1	90.4
0°-90°	2186.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2186.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1116	1116	1116	1116	1116	
5°	1123	1120	1113	1109	1106	107
15°	1131	1112	1069	1056	1059	319
25°	1047	994	924	926	942	479
35°	812	765	709	724	736	503
45°	518	503	490	502	508	406
55°	328	310	297	297	296	295
65°	193	173	148	121	121	192
75°	88	70	40	26	26	94
85°	13	7	2	2	2	18
90°	0	0	0	0	0	

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



TEST NUMBER: P581883

CATALOG NUMBER: HCC6W20D010SL-HM60525835-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0	1116.0
2.5°	1116.0	1116.0	1114.5	1114.5	1111.6	1111.6	1110.1	1110.1	1110.1
5°	1123.3	1123.3	1120.4	1116.0	1113.1	1108.6	1108.6	1107.2	1105.7
7.5°	1127.7	1126.2	1121.8	1116.0	1108.6	1101.4	1098.4	1099.9	1098.4
10°	1126.2	1123.3	1117.5	1105.7	1097.0	1086.8	1085.3	1083.8	1085.3
12.5°	1129.1	1124.7	1113.1	1098.4	1083.8	1072.2	1070.7	1070.7	1072.2
15°	1130.6	1126.2	1111.6	1089.6	1069.2	1057.4	1056.0	1057.4	1058.9
17.5°	1126.2	1120.4	1098.4	1069.2	1045.8	1034.1	1034.1	1037.0	1039.9
20°	1110.1	1101.4	1070.7	1035.6	1009.2	1000.4	1003.4	1009.2	1012.1
22.5°	1080.9	1070.7	1035.6	996.0	968.3	960.9	968.3	975.5	978.5
25°	1047.2	1035.6	994.5	953.6	924.4	915.6	925.9	937.6	942.0
27.5°	1001.9	988.8	950.7	903.9	874.7	870.3	881.9	895.1	898.0
30°	947.8	933.1	890.8	846.8	820.5	819.0	832.2	844.0	848.3
32.5°	881.9	868.8	832.2	788.3	765.0	765.0	778.1	788.3	792.8
35°	811.8	797.2	765.0	728.4	709.4	710.8	724.0	731.4	735.7
37.5°	728.4	724.0	699.2	668.5	655.2	658.2	668.5	674.2	678.7
40°	661.1	649.4	633.3	608.4	599.7	602.6	612.8	618.7	621.6
42.5°	588.0	580.7	567.5	550.0	544.1	548.5	557.2	561.6	560.2
45°	517.8	516.3	503.2	492.9	490.0	495.8	501.7	506.1	507.6
47.5°	466.6	460.7	449.0	441.8	438.8	444.6	450.5	453.4	453.4
50°	416.8	411.1	399.3	392.0	389.1	395.0	399.3	402.2	399.3
52.5°	367.1	361.3	351.0	342.3	340.8	343.8	345.2	346.6	349.5
55°	327.7	321.8	310.1	299.8	297.0	298.3	297.0	297.0	295.5
57.5°	289.6	283.7	272.0	260.4	255.9	254.5	250.1	248.7	247.2
60°	255.9	248.7	236.9	223.8	217.9	212.1	204.7	200.4	200.4
62.5°	223.8	216.5	203.3	191.6	182.9	172.6	160.9	155.0	155.0
65°	193.1	187.2	172.6	159.4	147.7	134.6	121.3	118.5	121.3
67.5°	163.8	157.9	143.3	130.2	115.6	99.5	87.8	87.8	90.6
70°	137.4	131.7	118.5	102.4	86.3	70.2	61.4	61.4	61.4
72.5°	112.6	106.7	92.1	77.5	61.4	45.3	40.9	42.4	40.9
75°	87.8	83.4	70.2	54.2	39.5	27.8	26.3	24.8	26.3
77.5°	65.8	61.4	49.7	35.1	22.0	16.1	14.6	14.6	14.6
80°	45.3	40.9	32.2	20.5	11.7	7.4	7.4	7.4	7.4
82.5°	27.8	23.5	17.6	10.2	4.4	4.4	4.4	4.4	4.4
85°	13.1	10.2	7.4	2.9	1.5	1.5	1.5	1.5	1.5
87.5°	2.9	2.9	1.5	1.5	0.0	1.5	1.5	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)