

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: P581864

Luminaire Tested: **HCC6S20D010SL-HM60525830-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581864
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: HCC6S20D010SL-HM60525830-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

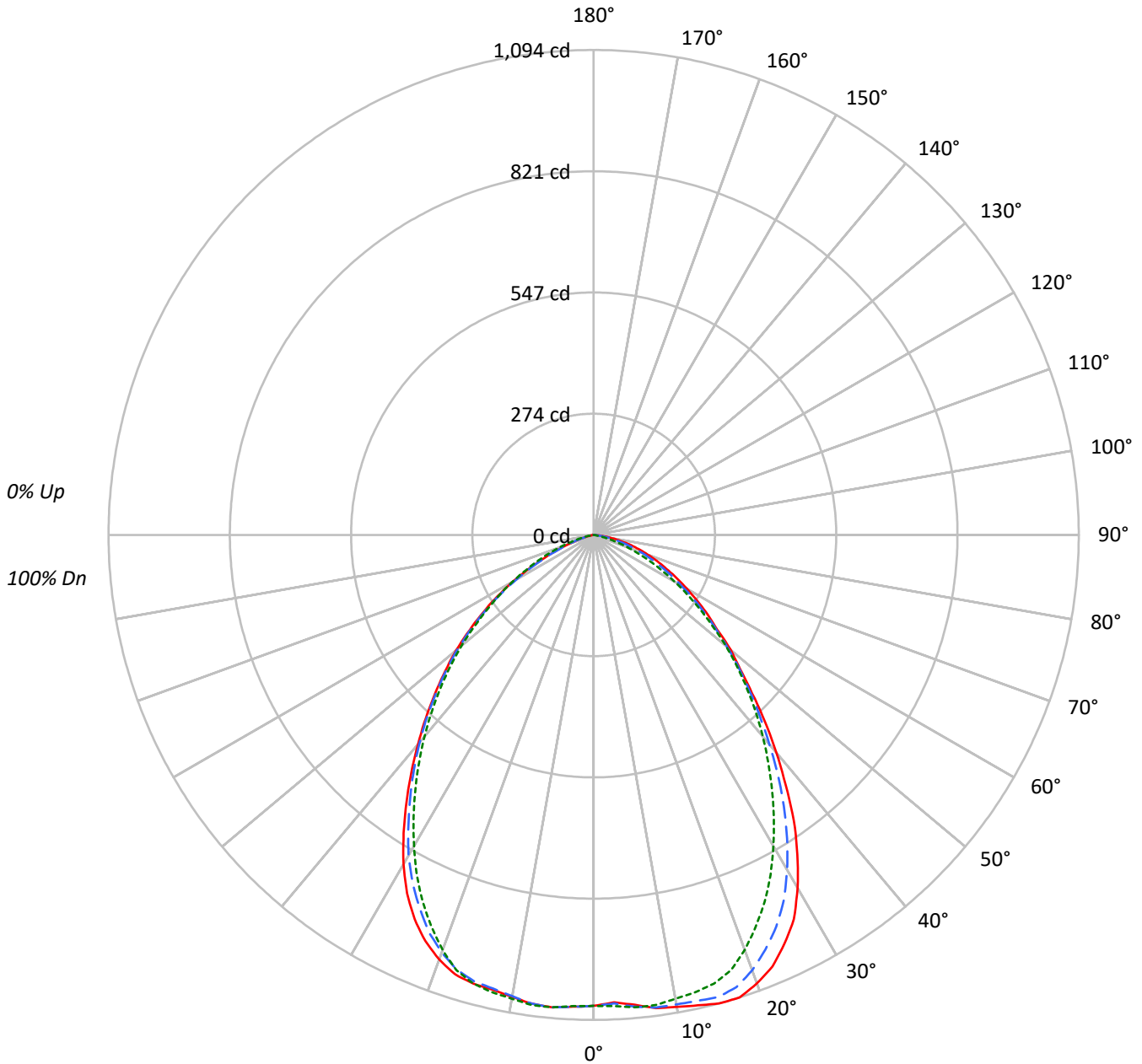
Lumens per Lamp: N/A
Luminaire Lumens: 2145.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P581864
CATALOG NUMBER: HCC6S20D010SL-HM60525830-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P581864

CATALOG NUMBER: HCC6S20D010SL-HM60525830-61RWWC

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°	58241	58241	58241
5°	58546	58865	58865
10°	60186	59139	58900
15°	62095	59478	59478
20°	62819	58117	59459
25°	61570	55207	57820
30°	58230	51305	54312
35°	52695	46920	49235
40°	45843	42444	44090
45°	39175	37841	39175
50°	34378	33150	34506
55°	29992	27927	29036
60°	26522	23200	22882
65°	23530	18303	15683
70°	20773	12935	9457
75°	17686	7329	4575
80°	13165	2305	1357
85°	7296	943	943



TEST NUMBER: P581864
 CATALOG NUMBER: HCC6S20D010SL-HM60525830-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	4.8
10°-20°	298.2	13.9
20°-30°	435.5	20.3
30°-40°	456.7	21.3
40°-50°	384.8	17.9
50°-60°	269.6	12.6
60°-70°	144.5	6.7
70°-80°	48.5	2.3
80°-90°	5.3	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°	835.6	39.0
0°-40°	1292.3	60.2
0°-60°	1946.7	90.8
0°-90°	2145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2145.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1062	1062	1062	1062	1062	
5°	1064	1068	1070	1070	1070	102
15°	1094	1080	1048	1042	1048	309
25°	1018	975	913	929	956	466
35°	787	747	701	721	736	489
45°	505	497	488	501	505	394
55°	314	304	292	298	304	282
65°	181	166	141	117	121	181
75°	84	65	35	22	22	89
85°	12	6	2	2	2	16
90°	0	0	0	0	0	

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



TEST NUMBER: P581864

CATALOG NUMBER: HCC6S20D010SL-HM60525830-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4	1062.4
2.5°	1055.3	1055.3	1058.1	1061.1	1063.9	1063.9	1065.4	1066.8	1065.4
5°	1063.9	1063.9	1068.2	1069.7	1069.7	1068.2	1069.7	1069.7	1069.7
7.5°	1076.8	1074.0	1075.4	1072.5	1069.7	1068.2	1066.8	1066.8	1066.8
10°	1081.2	1078.3	1075.4	1069.7	1062.4	1058.1	1056.7	1058.1	1058.1
12.5°	1086.9	1084.1	1076.8	1065.4	1056.7	1049.5	1048.0	1051.0	1051.0
15°	1094.1	1091.3	1079.7	1061.1	1048.0	1040.9	1042.4	1045.2	1048.0
17.5°	1094.1	1088.4	1069.7	1045.2	1029.3	1022.2	1027.9	1035.1	1039.4
20°	1076.8	1071.1	1045.2	1014.9	996.2	991.9	1002.0	1014.9	1019.2
22.5°	1053.8	1042.4	1012.1	976.1	955.9	955.9	970.3	986.2	991.9
25°	1017.9	1009.2	974.6	932.9	912.7	911.3	928.6	950.1	955.9
27.5°	977.6	966.0	928.6	885.4	863.8	865.3	884.0	905.5	911.3
30°	919.9	905.5	872.4	830.7	810.5	816.3	835.0	850.9	858.0
32.5°	855.2	842.2	811.9	773.0	755.8	761.6	777.5	791.9	797.5
35°	787.4	773.0	747.2	712.7	701.1	706.9	721.3	732.8	735.7
37.5°	711.2	701.1	682.4	655.0	646.4	653.6	665.1	672.3	675.2
40°	640.6	632.0	616.1	596.0	593.1	598.9	610.5	614.8	616.1
42.5°	571.5	564.3	554.3	539.9	539.9	545.7	555.7	558.6	560.0
45°	505.3	501.0	496.7	485.2	488.1	495.2	501.0	505.3	505.3
47.5°	447.8	449.1	443.5	434.7	437.7	444.8	449.1	453.5	453.5
50°	403.1	398.8	393.0	384.4	388.7	394.5	400.2	403.1	404.6
52.5°	351.2	349.9	345.6	335.5	338.3	341.1	346.9	351.2	352.7
55°	313.8	309.5	303.8	292.2	292.2	295.1	298.0	300.9	303.8
57.5°	277.8	273.5	264.9	252.0	250.5	250.5	249.0	252.0	256.3
60°	241.9	240.4	227.5	215.9	211.6	207.3	201.6	203.0	208.7
62.5°	210.2	207.3	195.8	181.4	172.8	165.5	158.4	156.9	162.7
65°	181.4	178.6	165.5	151.1	141.1	128.1	116.6	116.6	120.9
67.5°	155.4	149.7	138.2	122.4	109.4	93.6	82.0	85.0	86.3
70°	129.6	125.2	112.3	96.4	80.7	64.8	57.6	59.0	59.0
72.5°	106.5	100.7	87.8	71.9	56.2	41.7	38.9	37.4	37.4
75°	83.5	77.7	64.8	48.9	34.6	24.5	21.6	21.6	21.6
77.5°	60.5	56.2	44.6	30.3	18.7	11.6	10.1	8.6	8.6
80°	41.7	37.4	27.3	15.9	7.3	4.3	4.3	4.3	4.3
82.5°	24.5	20.2	12.9	7.3	2.8	1.5	1.5	1.5	1.5
85°	11.6	8.6	5.8	2.8	1.5	1.5	1.5	1.5	1.5
87.5°	1.5	1.5	1.5	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)