

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: P582098

Luminaire Tested: **HCC6S25D010MW-HM60525935-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582098
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: HCC6S25D010MW-HM60525935-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

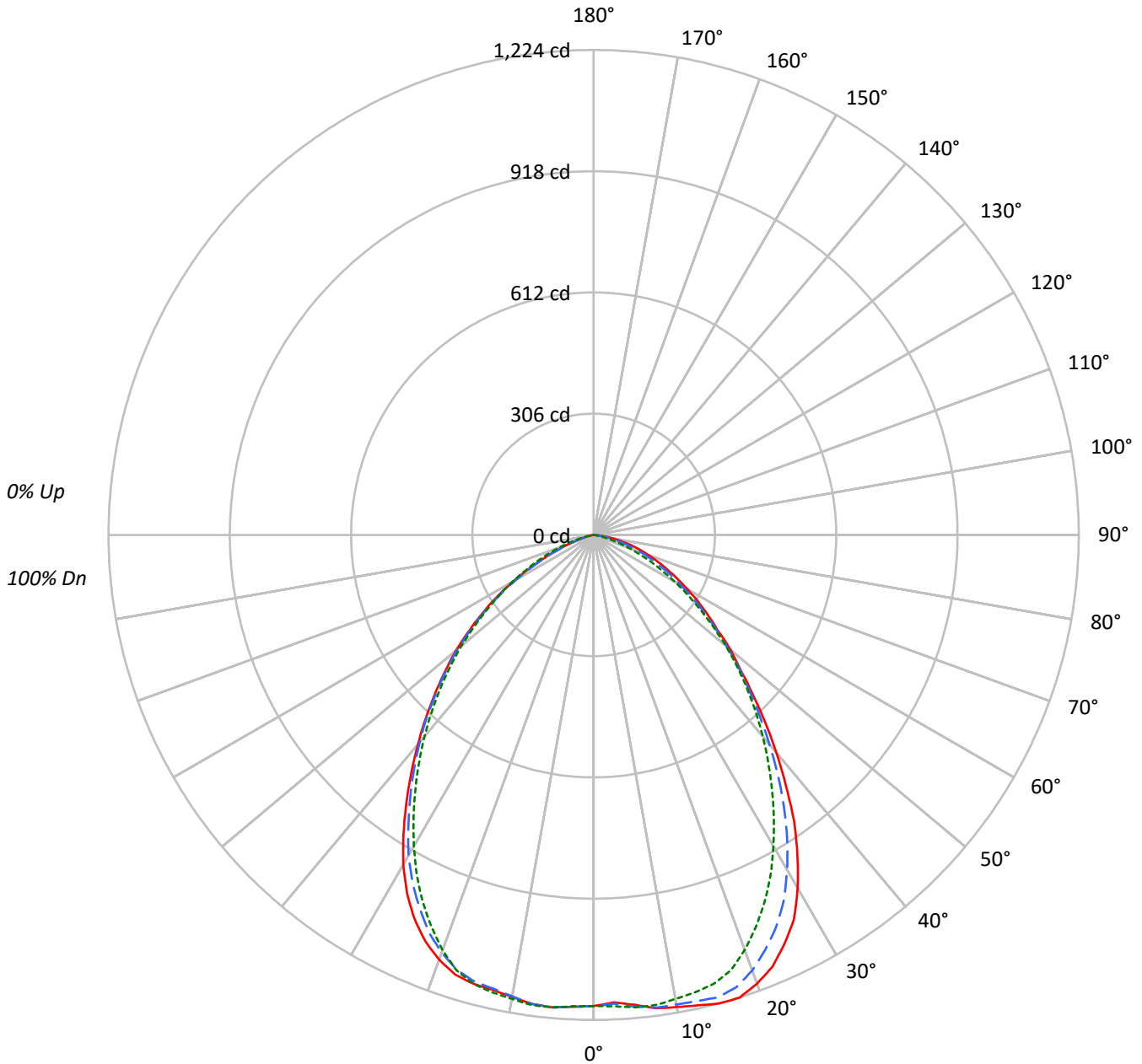
Lumens per Lamp: N/A
Luminaire Lumens: 2400.3 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P582098
CATALOG NUMBER: HCC6S25D010MW-HM60525935-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P582098

CATALOG NUMBER: HCC6S25D010MW-HM60525935-61RWWC

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°	65181	65181	65181
5°	65518	65870	65870
10°	67350	66187	65914
15°	69490	66561	66561
20°	70298	65036	66541
25°	68895	61782	64703
30°	65168	57414	60782
35°	58973	52508	55091
40°	51310	47496	49342
45°	43842	42345	43842
50°	38472	37099	38609
55°	33566	31253	32486
60°	29669	25963	25612
65°	26332	20482	17551
70°	23241	14458	10579
75°	19804	8197	5126
80°	14743	2526	1547
85°	8114	1006	1006



TEST NUMBER: P582098
 CATALOG NUMBER: HCC6S25D010MW-HM60525935-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	4.8
10°-20°	333.7	13.9
20°-30°	487.3	20.3
30°-40°	511.1	21.3
40°-50°	430.6	17.9
50°-60°	301.7	12.6
60°-70°	161.7	6.7
70°-80°	54.2	2.3
80°-90°	5.9	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°	935.1	39.0
0°-40°	1446.2	60.2
0°-60°	2178.5	90.8
0°-90°	2400.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2400.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1189	1189	1189	1189	1189	
5°	1191	1195	1197	1197	1197	114
15°	1224	1208	1173	1166	1173	345
25°	1139	1091	1021	1039	1070	522
35°	881	836	785	807	823	547
45°	566	556	546	561	566	441
55°	351	340	327	334	340	316
65°	203	185	158	130	135	203
75°	94	72	39	24	24	99
85°	13	6	2	2	2	18
90°	0	0	0	0	0	



TEST NUMBER: P582098

CATALOG NUMBER: HCC6S25D010MW-HM60525935-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1189.0	1189.0	1189.0	1189.0	1189.0	1189.0	1189.0	1189.0	1189.0
2.5°	1181.0	1181.0	1184.1	1187.3	1190.6	1190.6	1192.2	1193.7	1192.2
5°	1190.6	1190.6	1195.4	1197.0	1197.0	1195.4	1197.0	1197.0	1197.0
7.5°	1205.0	1201.9	1203.5	1200.2	1197.0	1195.4	1193.7	1193.7	1193.7
10°	1209.9	1206.6	1203.5	1197.0	1189.0	1184.1	1182.5	1184.1	1184.1
12.5°	1216.3	1213.2	1205.0	1192.2	1182.5	1174.4	1172.8	1176.1	1176.1
15°	1224.4	1221.2	1208.3	1187.3	1172.8	1164.8	1166.4	1169.7	1172.8
17.5°	1224.4	1217.9	1197.0	1169.7	1151.9	1143.9	1150.3	1158.4	1163.2
20°	1205.0	1198.6	1169.7	1135.8	1114.8	1110.0	1121.3	1135.8	1140.6
22.5°	1179.3	1166.4	1132.6	1092.2	1069.7	1069.7	1085.8	1103.5	1110.0
25°	1139.0	1129.3	1090.7	1044.0	1021.4	1019.8	1039.1	1063.3	1069.7
27.5°	1093.9	1081.0	1039.1	990.7	966.7	968.2	989.2	1013.3	1019.8
30°	1029.5	1013.3	976.3	929.6	907.0	913.4	934.4	952.2	960.2
32.5°	956.9	942.5	908.7	865.2	845.8	852.3	870.0	886.1	892.5
35°	881.2	865.2	836.1	797.5	784.6	791.0	807.2	820.1	823.2
37.5°	795.9	784.6	763.7	733.0	723.4	731.4	744.3	752.4	755.6
40°	717.0	707.2	689.5	667.0	663.7	670.2	683.1	687.9	689.5
42.5°	639.5	631.5	620.2	604.2	604.2	610.6	621.9	625.1	626.8
45°	565.5	560.6	555.8	542.9	546.2	554.2	560.6	565.5	565.5
47.5°	501.1	502.7	496.2	486.5	489.8	497.8	502.7	507.5	507.5
50°	451.1	446.3	439.8	430.2	435.0	441.4	447.8	451.1	452.7
52.5°	393.1	391.4	386.7	375.4	378.7	381.8	388.3	393.1	394.7
55°	351.2	346.3	339.9	327.0	327.0	330.3	333.5	336.7	339.9
57.5°	311.0	306.1	296.5	281.9	280.3	280.3	278.7	281.9	286.8
60°	270.6	269.0	254.6	241.7	236.8	231.9	225.5	227.2	233.6
62.5°	235.2	231.9	219.1	203.0	193.3	185.3	177.2	175.5	182.1
65°	203.0	199.7	185.3	169.2	157.9	143.3	130.4	130.4	135.3
67.5°	174.0	167.5	154.6	137.0	122.4	104.8	91.8	95.1	96.6
70°	145.0	140.2	125.7	107.9	90.2	72.5	64.4	66.0	66.0
72.5°	119.2	112.8	98.2	80.6	62.8	46.7	43.5	41.9	41.9
75°	93.5	87.0	72.5	54.8	38.7	27.4	24.2	24.2	24.2
77.5°	67.7	62.8	50.0	33.8	20.9	12.9	11.3	9.6	9.6
80°	46.7	41.9	30.6	17.7	8.0	4.9	4.9	4.9	4.9
82.5°	27.4	22.6	14.5	8.0	3.3	1.6	1.6	1.6	1.6
85°	12.9	9.6	6.4	3.3	1.6	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	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)