

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: P582034

Luminaire Tested: **HCC6S25D010MW-HM60525835-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S25D010MW-HM60525835-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

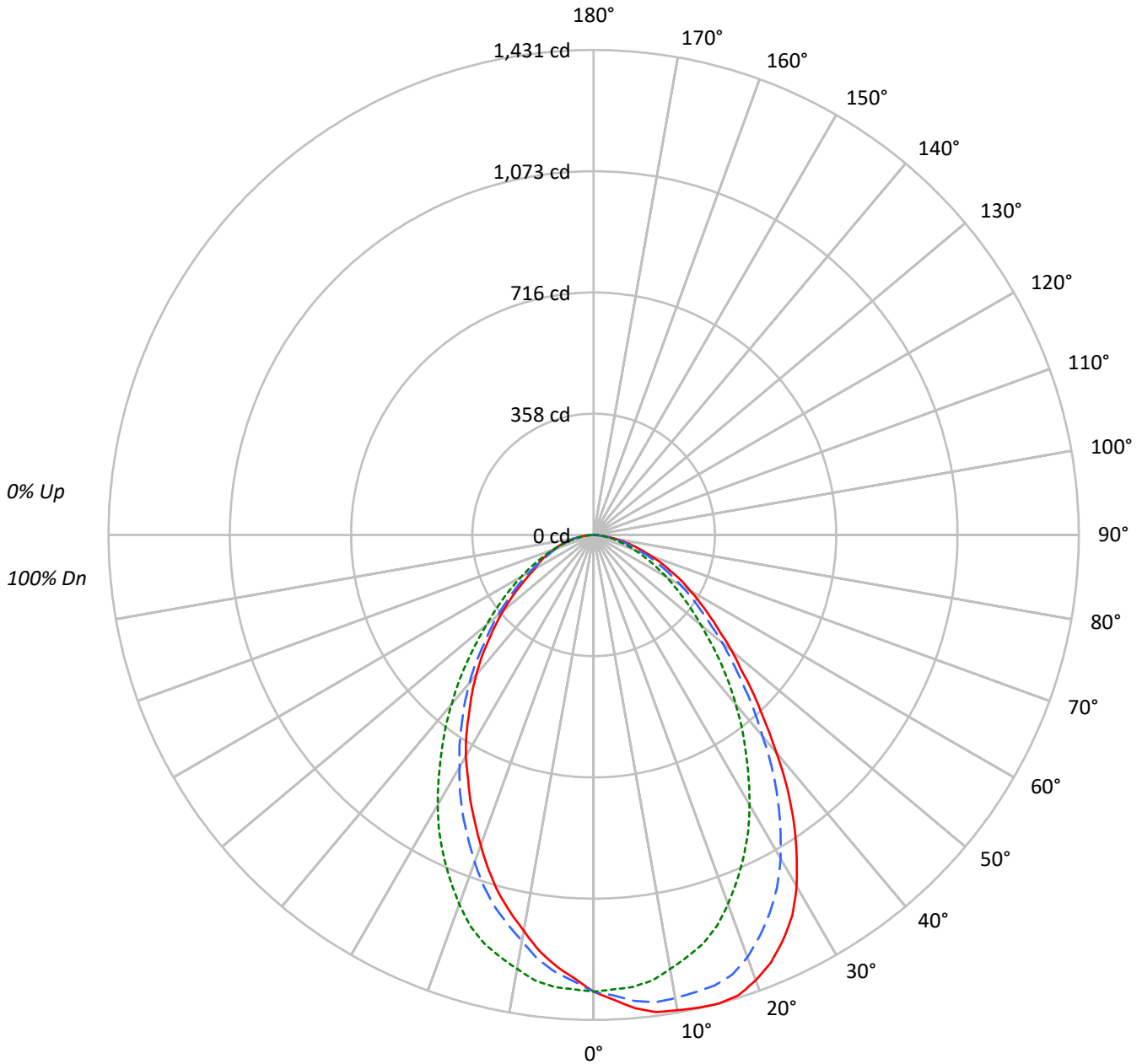
Lumens per Lamp: N/A
Luminaire Lumens: 2510.4 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582034
CATALOG NUMBER: HCC6S25D010MW-HM60525835-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582034

CATALOG NUMBER: HCC6S25D010MW-HM60525835-61WWW

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	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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	73876	73876	73876
5°	77151	73663	70267
10°	79257	72393	66031
15°	81221	70823	61868
20°	81575	67614	56822
25°	79868	63300	52116
30°	75777	58211	47767
35°	68830	52314	42851
40°	59969	46602	38551
45°	51881	40779	33895
50°	45320	35112	29696
55°	40046	30862	25481
60°	35995	27048	22082
65°	32234	23530	21403
70°	28787	20067	20067
75°	24972	16902	18809
80°	20047	14333	17174
85°	13712	12517	14844



TEST NUMBER: P582034
 CATALOG NUMBER: HCC6S25D010MW-HM60525835-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	5.0
10°-20°	352.1	14.0
20°-30°	490.7	19.5
30°-40°	505.6	20.1
40°-50°	419.0	16.7
50°-60°	301.1	12.0
60°-70°	191.8	7.6
70°-80°	98.5	3.9
80°-90°	25.1	1.0
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°	969.4	38.6
0°-40°	1475.0	58.8
0°-60°	2195.1	87.4
0°-90°	2510.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2510.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1348	1348	1348	1348	1348	
5°	1402	1380	1339	1295	1277	134
15°	1431	1377	1248	1134	1090	403
25°	1320	1230	1046	912	862	605
35°	1028	945	782	678	640	639
45°	669	622	526	459	437	518
55°	419	384	323	287	267	377
65°	248	221	181	158	165	249
75°	118	102	80	83	89	126
85°	22	20	20	22	24	28
90°	0	0	0	0	0	



TEST NUMBER: P582034

CATALOG NUMBER: HCC6S25D010MW-HM60525835-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6	1347.6
2.5°	1373.0	1367.5	1360.3	1353.1	1342.2	1329.4	1318.7	1315.0	1309.5
5°	1402.0	1394.8	1380.3	1362.1	1338.6	1315.0	1295.0	1282.3	1276.9
7.5°	1420.2	1411.1	1391.2	1360.3	1325.8	1291.3	1262.4	1244.2	1237.0
10°	1423.8	1414.8	1387.6	1345.8	1300.5	1253.3	1217.0	1195.2	1186.2
12.5°	1429.3	1416.5	1382.1	1333.1	1275.1	1220.7	1175.3	1148.1	1139.1
15°	1431.1	1416.5	1376.7	1316.8	1247.9	1182.6	1133.6	1101.0	1090.1
17.5°	1423.8	1407.5	1360.3	1287.7	1209.8	1140.9	1082.8	1048.4	1033.9
20°	1398.3	1380.3	1325.8	1244.2	1159.0	1086.5	1026.6	990.4	974.0
22.5°	1365.8	1342.2	1280.6	1193.5	1104.5	1028.5	968.6	932.2	915.9
25°	1320.4	1298.6	1229.7	1137.2	1046.5	966.7	912.3	874.2	861.6
27.5°	1267.8	1242.5	1171.7	1079.2	986.7	906.9	854.3	819.8	803.5
30°	1197.1	1173.6	1102.8	1010.3	919.6	845.3	790.8	761.8	754.6
32.5°	1113.7	1093.7	1024.8	937.7	850.7	781.7	736.4	705.6	698.3
35°	1028.5	1004.8	945.0	863.3	781.7	720.1	678.4	651.2	640.3
37.5°	935.9	914.2	863.3	790.8	718.2	660.2	624.0	600.3	589.4
40°	838.0	821.6	774.5	716.5	651.2	600.3	569.5	549.6	538.7
42.5°	747.3	731.0	698.3	643.9	589.4	544.2	516.9	498.8	489.7
45°	669.2	654.8	622.1	575.0	526.0	487.9	458.8	446.2	437.2
47.5°	591.3	584.0	555.0	511.5	466.1	433.5	413.5	399.1	391.8
50°	531.4	522.4	495.2	449.8	411.7	386.3	368.1	355.5	348.2
52.5°	469.7	460.7	435.3	397.2	366.4	342.8	324.7	313.8	306.5
55°	419.0	411.7	384.5	350.1	322.9	302.9	286.6	273.9	266.6
57.5°	371.8	364.6	339.2	306.5	282.9	264.8	250.3	239.4	230.3
60°	328.3	322.9	297.5	266.6	246.7	228.5	215.9	206.7	201.4
62.5°	290.2	279.3	257.5	230.3	212.3	197.7	184.9	179.6	183.2
65°	248.5	243.1	221.3	197.7	181.4	166.9	157.8	161.4	165.0
67.5°	214.0	206.7	188.6	166.9	152.4	141.5	136.1	143.3	145.1
70°	179.6	172.3	156.0	137.8	125.2	117.9	117.9	123.3	125.2
72.5°	147.0	141.5	126.9	112.4	103.4	98.0	101.6	105.3	107.0
75°	117.9	112.4	101.6	88.8	79.8	79.8	83.4	87.1	88.8
77.5°	90.7	87.1	76.2	67.2	63.5	63.5	67.2	68.9	70.8
80°	63.5	59.9	54.4	49.0	45.4	49.0	52.6	52.6	54.4
82.5°	41.7	39.8	36.3	32.7	32.7	34.5	36.3	38.1	38.1
85°	21.8	21.8	19.9	18.2	19.9	21.8	21.8	23.6	23.6
87.5°	7.3	7.3	7.3	7.3	9.0	9.0	9.0	9.0	9.0
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)