

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: P582053

Luminaire Tested: **HCC6S25D010MW-HM60525840-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010MW-HM60525840-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

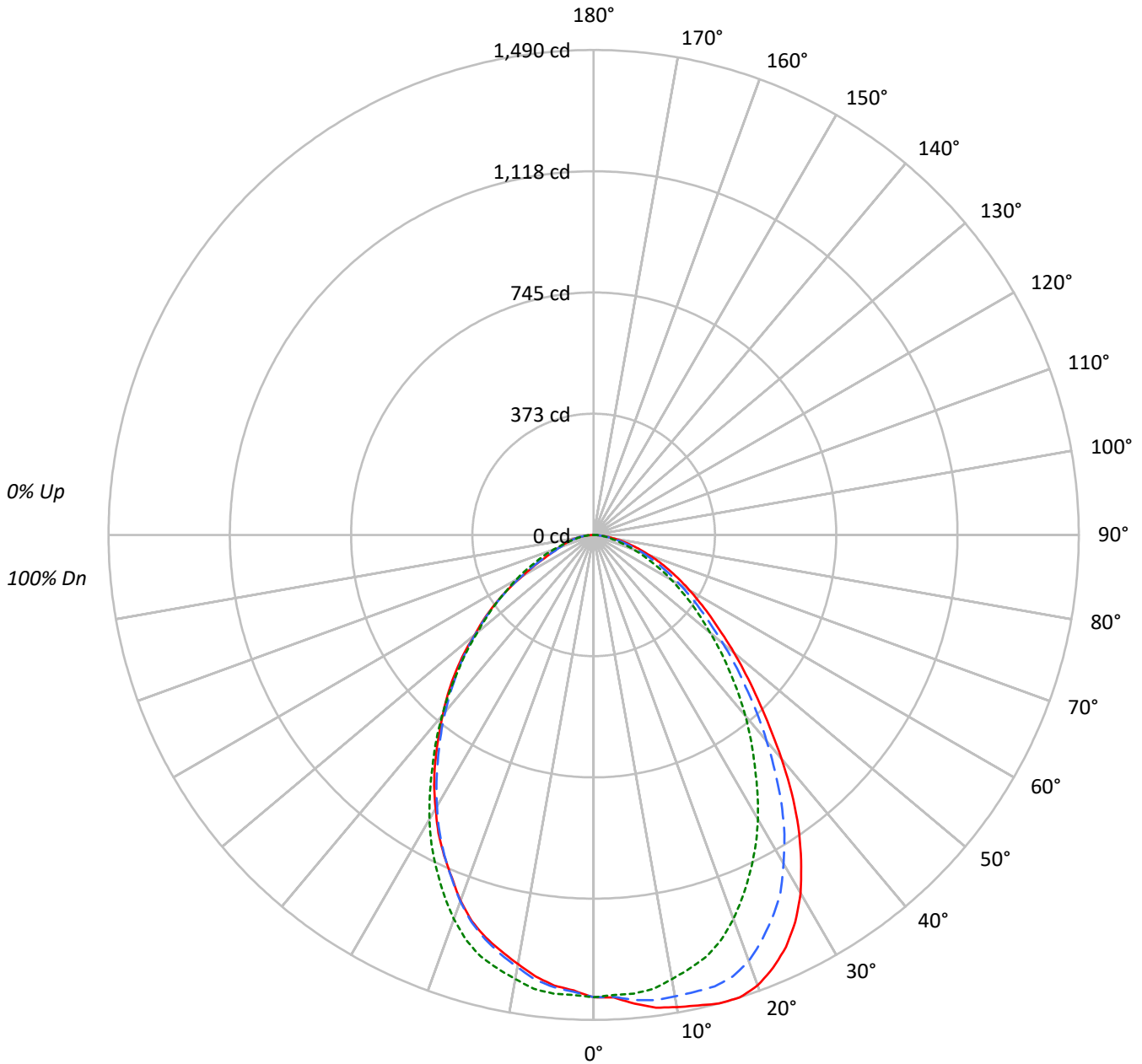
Lumens per Lamp: N/A  
Luminaire Lumens: 2781.8 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P582053  
CATALOG NUMBER: HCC6S25D010MW-HM60525840-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582053

CATALOG NUMBER: HCC6S25D010MW-HM60525840-61WWWB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	77872	77872	77872
5°	79556	77845	76464
10°	81990	77131	74537
15°	84581	76107	72691
20°	85927	73244	69738
25°	84513	68901	65732
30°	80455	63871	61421
35°	73374	57661	56751
40°	64156	51804	51525
45°	55215	45586	46640
50°	47990	39717	40545
55°	41920	34876	35248
60°	37234	30206	27651
65°	33220	25424	21144
70°	29236	20853	17727
75°	25078	16436	16860
80°	20205	14080	16543
85°	13398	12202	14655



TEST NUMBER: P582053  
 CATALOG NUMBER: HCC6S25D010MW-HM60525840-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.5	4.8
10°-20°	382.9	13.8
20°-30°	546.6	19.6
30°-40°	572.5	20.6
40°-50°	482.0	17.3
50°-60°	343.1	12.3
60°-70°	200.8	7.2
70°-80°	95.0	3.4
80°-90°	24.4	0.9
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°	1063.9	38.2
0°-40°	1636.5	58.8
0°-60°	2461.6	88.5
0°-90°	2781.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2781.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1420	1420	1420	1420	1420	
5°	1446	1434	1415	1395	1390	139
15°	1490	1436	1341	1287	1281	421
25°	1397	1298	1139	1085	1087	640
35°	1096	1005	862	832	848	681
45°	712	660	588	590	602	553
55°	439	402	365	365	369	395
65°	256	227	196	165	163	255
75°	118	99	78	76	80	127
85°	21	17	19	23	23	28
90°	0	0	0	0	0	



TEST NUMBER: P582053

CATALOG NUMBER: HCC6S25D010MW-HM60525840-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5
2.5°	1422.4	1422.4	1420.5	1418.5	1414.6	1408.9	1405.0	1401.1	1401.1
5°	1445.7	1441.8	1434.1	1424.4	1414.6	1403.0	1395.2	1389.5	1389.5
7.5°	1465.1	1457.4	1441.8	1424.4	1406.9	1391.3	1377.8	1370.0	1368.2
10°	1472.9	1463.3	1439.9	1412.8	1385.6	1364.3	1348.7	1339.0	1339.0
12.5°	1480.7	1469.0	1437.9	1399.1	1364.3	1335.1	1319.5	1311.8	1309.9
15°	1490.3	1474.8	1436.1	1387.6	1341.0	1308.0	1286.6	1280.8	1280.8
17.5°	1490.3	1470.9	1422.4	1362.3	1304.1	1267.2	1247.7	1242.0	1243.9
20°	1472.9	1451.6	1393.3	1319.5	1255.5	1216.8	1197.4	1193.5	1195.4
22.5°	1439.9	1414.6	1348.7	1269.2	1199.2	1158.5	1141.1	1141.1	1139.1
25°	1397.2	1370.0	1298.2	1214.8	1139.1	1098.4	1084.7	1086.7	1086.7
27.5°	1341.0	1313.8	1242.0	1152.8	1077.1	1036.2	1026.6	1030.5	1032.3
30°	1271.0	1242.0	1166.3	1079.0	1009.0	968.3	962.6	968.3	970.3
32.5°	1185.7	1164.3	1090.6	1001.4	935.4	900.4	898.5	904.3	912.1
35°	1096.4	1073.2	1005.2	923.7	861.6	832.5	832.5	842.3	848.0
37.5°	999.4	976.1	914.1	846.2	793.7	766.6	770.5	780.1	782.0
40°	896.5	879.1	826.7	768.5	723.9	702.4	708.3	718.0	720.0
42.5°	799.5	784.0	741.3	688.9	655.9	640.4	648.2	659.8	663.7
45°	712.2	694.7	659.8	615.2	588.0	580.3	589.9	597.7	601.6
47.5°	632.6	617.1	588.0	547.2	527.9	524.0	533.7	537.5	541.4
50°	562.7	547.2	518.1	481.3	465.7	465.7	473.5	477.4	475.4
52.5°	494.8	481.3	454.1	423.0	413.4	413.4	419.1	421.1	425.0
55°	438.6	425.0	401.7	372.6	364.9	361.0	364.9	364.9	368.8
57.5°	386.2	374.5	353.2	326.0	316.3	312.4	310.5	308.6	312.4
60°	339.6	329.9	306.6	283.3	275.5	265.9	258.1	250.3	252.2
62.5°	297.0	287.2	265.9	242.6	234.8	221.3	211.5	201.9	205.7
65°	256.1	246.5	227.0	207.6	196.0	180.4	164.9	159.1	163.0
67.5°	219.3	211.5	192.1	172.7	163.0	145.6	130.1	130.1	131.9
70°	182.4	174.7	159.1	141.7	130.1	114.5	108.6	110.6	110.6
72.5°	149.5	143.6	128.1	112.5	100.9	91.2	91.2	93.1	95.1
75°	118.4	114.5	99.0	85.3	77.6	71.8	75.7	77.6	79.6
77.5°	91.2	85.3	73.8	64.0	58.3	60.1	64.0	66.0	67.9
80°	64.0	62.1	52.4	46.6	44.6	46.6	50.5	52.4	52.4
82.5°	40.7	38.8	33.0	31.1	31.1	33.0	36.8	36.8	36.8
85°	21.3	19.4	17.4	17.4	19.4	21.3	23.3	23.3	23.3
87.5°	7.8	5.8	7.8	7.8	9.6	9.6	9.6	9.6	9.6
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)