

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: P593212

Luminaire Tested: **HCC6S30D010SL-HM63040850-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593212
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: HCC6S30D010SL-HM63040850-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

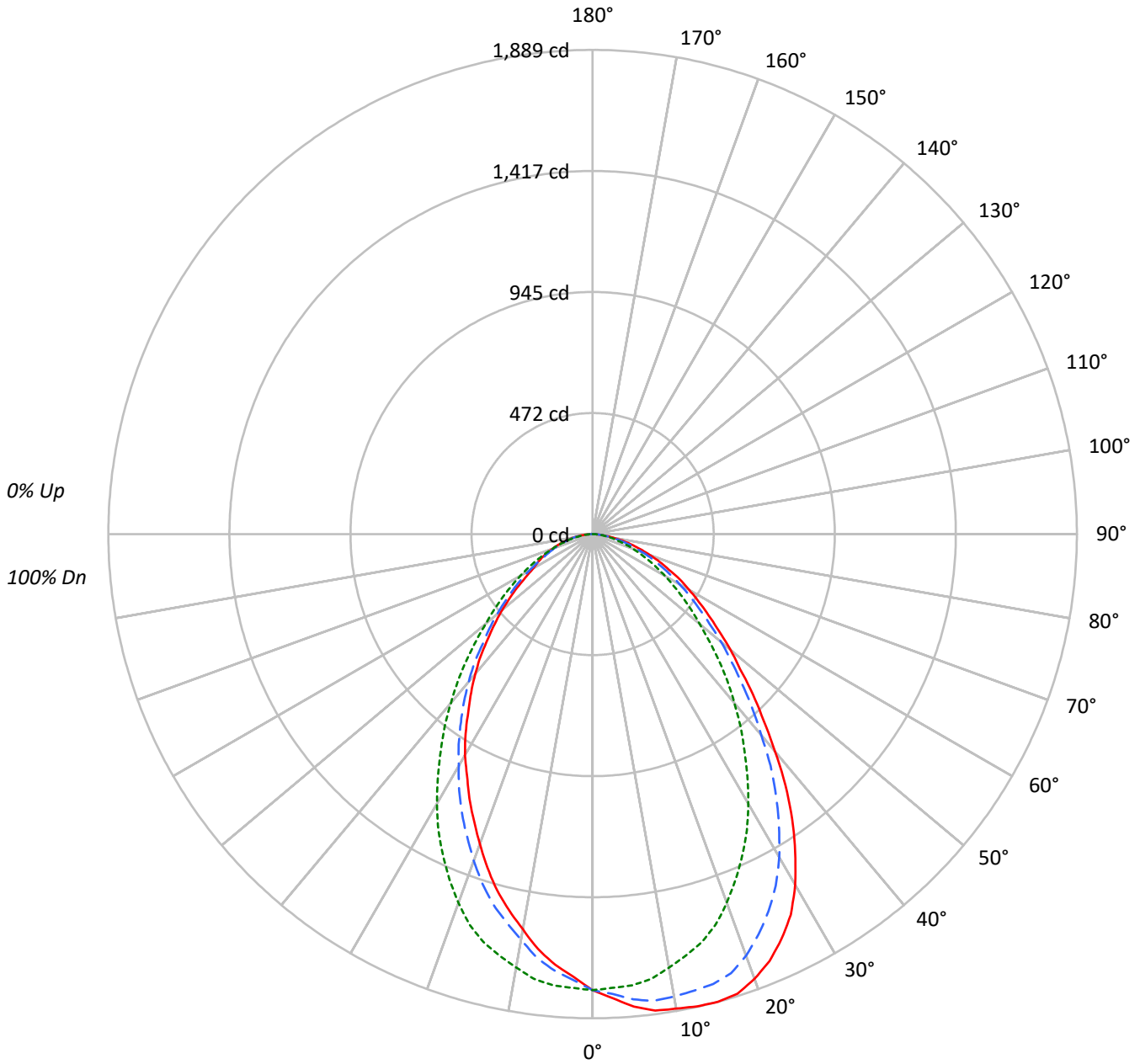
Lumens per Lamp: N/A
Luminaire Lumens: 3314.3 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P593212
CATALOG NUMBER: HCC6S30D010SL-HM63040850-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593212

CATALOG NUMBER: HCC6S30D010SL-HM63040850-61WWW

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	97536	97536	97536
5°	101860	97248	92774
10°	104641	95573	87184
15°	107231	93502	81680
20°	107710	89269	75017
25°	105448	83575	68804
30°	100041	76854	63054
35°	90861	69071	56570
40°	79177	61515	50903
45°	68511	53843	44741
50°	59836	46361	39214
55°	52863	40744	33652
60°	47518	35710	29153
65°	42547	31067	28265
70°	38003	26495	26495
75°	32957	22303	24866
80°	26455	18910	22667
85°	18115	16605	19625



TEST NUMBER: P593212

CATALOG NUMBER: HCC6S30D010SL-HM63040850-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.2	5.0
10°-20°	464.8	14.0
20°-30°	647.8	19.5
30°-40°	667.5	20.1
40°-50°	553.2	16.7
50°-60°	397.5	12.0
60°-70°	253.2	7.6
70°-80°	130.0	3.9
80°-90°	33.1	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°	1279.9	38.6
0°-40°	1947.3	58.8
0°-60°	2898.0	87.4
0°-90°	3314.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3314.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1779	1779	1779	1779	1779	
5°	1851	1822	1767	1710	1686	177
15°	1889	1818	1648	1497	1439	532
25°	1743	1624	1382	1204	1138	799
35°	1358	1248	1032	896	845	843
45°	884	821	694	606	577	684
55°	553	508	426	378	352	498
65°	328	292	240	208	218	329
75°	156	134	105	110	117	166
85°	29	26	26	29	31	37
90°	0	0	0	0	0	

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



TEST NUMBER: P593212

CATALOG NUMBER: HCC6S30D010SL-HM63040850-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2
2.5°	1812.7	1805.6	1796.0	1786.5	1772.1	1755.3	1740.9	1736.2	1728.9
5°	1851.0	1841.5	1822.4	1798.4	1767.2	1736.2	1709.8	1693.0	1685.9
7.5°	1875.1	1863.0	1836.6	1796.0	1750.4	1705.0	1666.7	1642.7	1633.2
10°	1879.8	1867.8	1831.9	1776.8	1716.9	1654.7	1606.8	1578.0	1566.2
12.5°	1886.9	1870.2	1824.8	1760.1	1683.4	1611.6	1551.8	1515.9	1503.8
15°	1889.4	1870.2	1817.5	1738.6	1647.5	1561.3	1496.7	1453.6	1439.2
17.5°	1879.8	1858.3	1796.0	1700.2	1597.2	1506.2	1429.7	1384.1	1365.0
20°	1846.3	1822.4	1750.4	1642.7	1530.2	1434.4	1355.3	1307.4	1285.9
22.5°	1803.1	1772.1	1690.6	1575.7	1458.3	1357.7	1278.8	1230.9	1209.3
25°	1743.3	1714.5	1623.6	1501.5	1381.7	1276.4	1204.5	1154.3	1137.5
27.5°	1673.9	1640.3	1546.9	1424.8	1302.7	1197.3	1127.9	1082.3	1060.8
30°	1580.4	1549.4	1455.9	1333.8	1214.1	1115.9	1044.1	1005.8	996.1
32.5°	1470.3	1443.9	1353.0	1238.0	1123.1	1032.1	972.2	931.5	922.0
35°	1357.7	1326.7	1247.6	1139.9	1032.1	950.7	895.6	859.6	845.3
37.5°	1235.6	1207.0	1139.9	1044.1	948.2	871.7	823.7	792.6	778.3
40°	1106.4	1084.7	1022.5	945.8	859.6	792.6	751.9	725.5	711.3
42.5°	986.6	965.0	922.0	850.1	778.3	718.4	682.5	658.6	646.6
45°	883.7	864.5	821.4	759.1	694.5	644.2	605.8	589.0	577.1
47.5°	780.7	771.1	732.8	675.4	615.4	572.3	546.0	526.8	517.2
50°	701.6	689.6	653.7	593.9	543.6	510.1	486.1	469.3	459.8
52.5°	620.2	608.3	574.8	524.5	483.7	452.5	428.6	414.2	404.7
55°	553.1	543.6	507.7	462.2	426.3	399.9	378.3	361.6	352.1
57.5°	490.9	481.3	447.8	404.7	373.6	349.6	330.4	316.0	304.1
60°	433.4	426.3	392.7	352.1	325.7	301.8	285.0	273.0	265.9
62.5°	383.1	368.8	340.1	304.1	280.1	261.0	244.2	237.1	241.8
65°	328.0	320.9	292.1	261.0	239.5	220.3	208.3	213.1	217.9
67.5°	282.6	273.0	249.1	220.3	201.2	186.8	179.7	189.2	191.5
70°	237.1	227.5	205.9	182.0	165.3	155.6	155.6	162.9	165.3
72.5°	193.9	186.8	167.6	148.5	136.5	129.4	134.1	138.9	141.3
75°	155.6	148.5	134.1	117.4	105.3	105.3	110.1	115.0	117.4
77.5°	119.7	115.0	100.6	88.6	83.8	83.8	88.6	91.0	93.3
80°	83.8	79.1	71.8	64.7	59.9	64.7	69.4	69.4	71.8
82.5°	55.1	52.7	47.9	43.2	43.2	45.5	47.9	50.3	50.3
85°	28.8	28.8	26.4	23.9	26.4	28.8	28.8	31.2	31.2
87.5°	9.6	9.6	9.6	9.6	12.0	12.0	12.0	12.0	12.0
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)