

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: P582224

Luminaire Tested: **HCC6S30D010MB-HM63040930-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582224
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: HCC6S30D010MB-HM63040930-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

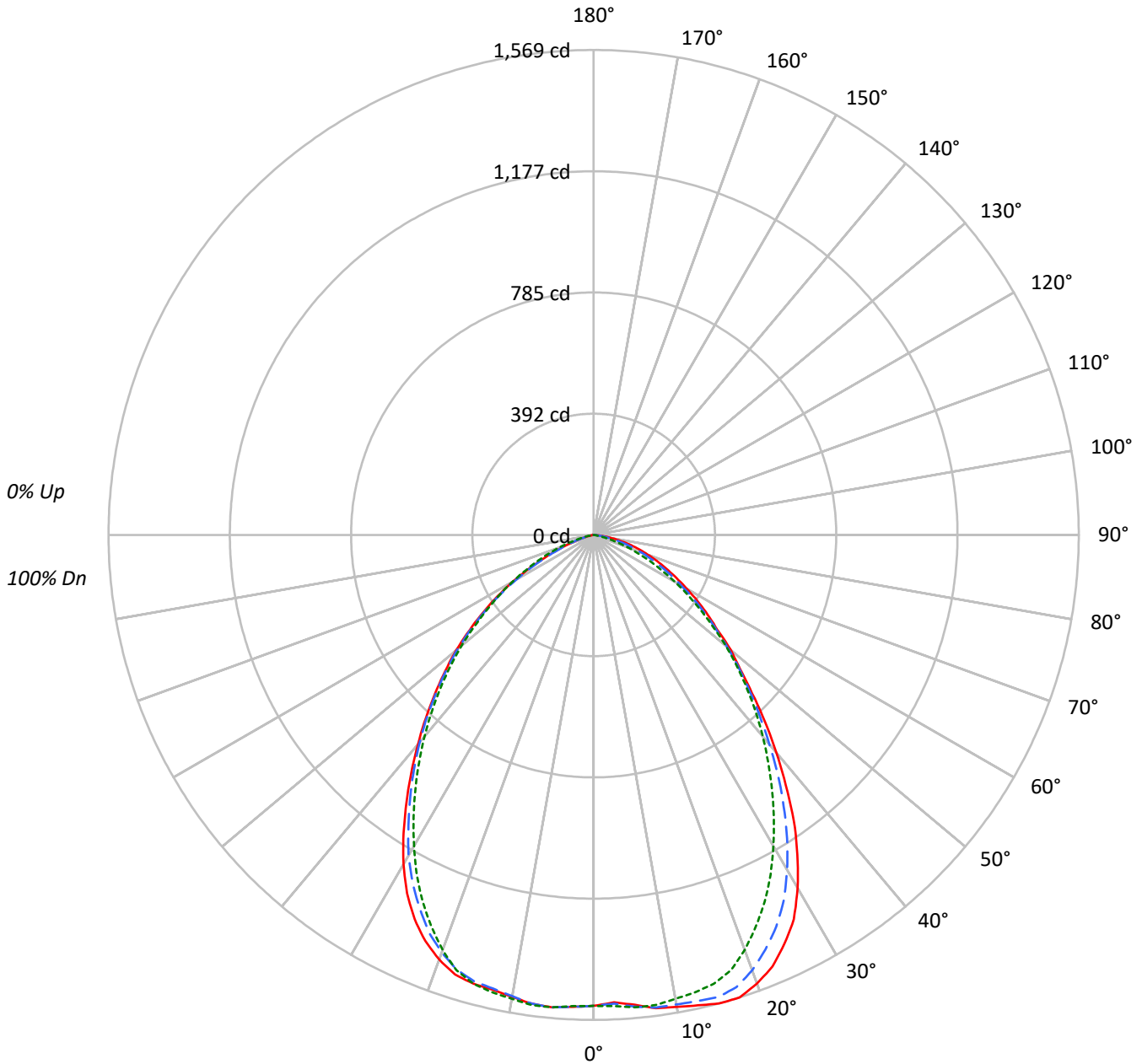
Lumens per Lamp: N/A
Luminaire Lumens: 3076.3 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582224
CATALOG NUMBER: HCC6S30D010MB-HM63040930-61RWWC

Luminous Intensity Polar Plot





TEST NUMBER: P582224

CATALOG NUMBER: HCC6S30D010MB-HM63040930-61RWWC

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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88					88			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68					68			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60					60			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	83535	83535	83535
5°	83964	84426	84426
10°	86321	84824	84479
15°	89058	85307	85307
20°	90104	83354	85285
25°	88306	79184	82928
30°	83519	73587	77898
35°	75583	67291	70611
40°	65759	60878	63247
45°	56184	54269	56184
50°	49303	47546	49482
55°	43028	40056	41633
60°	38023	33287	32826
65°	33752	26254	22506
70°	29781	18529	13576
75°	25354	10506	6545
80°	18910	3252	1957
85°	10378	1258	1258



TEST NUMBER: P582224
 CATALOG NUMBER: HCC6S30D010MB-HM63040930-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	4.8
10°-20°	427.6	13.9
20°-30°	624.6	20.3
30°-40°	655.0	21.3
40°-50°	551.9	17.9
50°-60°	386.7	12.6
60°-70°	207.3	6.7
70°-80°	69.5	2.3
80°-90°	7.5	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°	1198.4	39.0
0°-40°	1853.5	60.2
0°-60°	2792.0	90.8
0°-90°	3076.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3076.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1524	1524	1524	1524	1524	
5°	1526	1532	1534	1534	1534	147
15°	1569	1549	1503	1495	1503	443
25°	1460	1398	1309	1332	1371	669
35°	1129	1072	1006	1034	1055	701
45°	725	712	700	718	725	565
55°	450	436	419	427	436	405
65°	260	237	202	167	174	260
75°	120	93	50	31	31	127
85°	16	8	2	2	2	23
90°	0	0	0	0	0	



TEST NUMBER: P582224

CATALOG NUMBER: HCC6S30D010MB-HM63040930-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8
2.5°	1513.5	1513.5	1517.6	1521.8	1525.8	1525.8	1528.0	1530.0	1528.0
5°	1525.8	1525.8	1532.0	1534.2	1534.2	1532.0	1534.2	1534.2	1534.2
7.5°	1544.5	1540.3	1542.4	1538.2	1534.2	1532.0	1530.0	1530.0	1530.0
10°	1550.7	1546.5	1542.4	1534.2	1523.8	1517.6	1515.5	1517.6	1517.6
12.5°	1558.9	1554.7	1544.5	1528.0	1515.5	1505.3	1503.1	1507.3	1507.3
15°	1569.2	1565.1	1548.6	1521.8	1503.1	1492.8	1494.9	1499.1	1503.1
17.5°	1569.2	1560.9	1534.2	1499.1	1476.3	1466.0	1474.2	1484.6	1490.8
20°	1544.5	1536.2	1499.1	1455.7	1428.8	1422.6	1437.1	1455.7	1461.9
22.5°	1511.5	1494.9	1451.5	1399.9	1371.0	1371.0	1391.6	1414.4	1422.6
25°	1459.9	1447.4	1397.9	1338.0	1309.1	1306.9	1331.8	1362.7	1371.0
27.5°	1401.9	1385.4	1331.8	1269.9	1238.8	1241.0	1267.8	1298.7	1306.9
30°	1319.4	1298.7	1251.3	1191.4	1162.5	1170.7	1197.6	1220.3	1230.6
32.5°	1226.5	1207.9	1164.5	1108.7	1084.0	1092.2	1114.9	1135.6	1143.9
35°	1129.4	1108.7	1071.6	1022.1	1005.5	1013.9	1034.4	1051.0	1055.1
37.5°	1020.0	1005.5	978.7	939.4	927.1	937.4	953.9	964.3	968.4
40°	918.9	906.5	883.8	854.8	850.7	858.9	875.5	881.6	883.8
42.5°	819.7	809.4	795.0	774.3	774.3	782.6	797.0	801.1	803.2
45°	724.7	718.5	712.3	695.8	700.0	710.3	718.5	724.7	724.7
47.5°	642.2	644.2	636.0	623.5	627.7	638.0	644.2	650.4	650.4
50°	578.1	571.9	563.7	551.3	557.5	565.7	574.0	578.1	580.2
52.5°	503.8	501.8	495.6	481.1	485.2	489.4	497.6	503.8	505.9
55°	450.2	444.0	435.6	419.1	419.1	423.3	427.4	431.5	435.6
57.5°	398.6	392.3	379.9	361.3	359.3	359.3	357.2	361.3	367.5
60°	346.8	344.8	326.3	309.7	303.6	297.4	289.0	291.2	299.4
62.5°	301.4	297.4	280.8	260.2	247.8	237.4	227.1	225.1	233.3
65°	260.2	256.0	237.4	216.8	202.4	183.8	167.3	167.3	173.5
67.5°	222.9	214.7	198.2	175.5	156.9	134.2	117.7	121.9	123.9
70°	185.8	179.7	161.1	138.4	115.6	92.9	82.6	84.7	84.7
72.5°	152.8	144.6	125.9	103.2	80.5	59.9	55.8	53.7	53.7
75°	119.7	111.5	92.9	70.2	49.6	35.1	30.9	30.9	30.9
77.5°	86.7	80.5	64.0	43.4	26.9	16.5	14.5	12.4	12.4
80°	59.9	53.7	39.2	22.7	10.3	6.2	6.2	6.2	6.2
82.5°	35.1	28.9	18.5	10.3	4.2	2.0	2.0	2.0	2.0
85°	16.5	12.4	8.2	4.2	2.0	2.0	2.0	2.0	2.0
87.5°	2.0	2.0	2.0	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)