

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: P582350

Luminaire Tested: **HCC6S35D010SL-HM63040927-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582350  
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: HCC6S35D010SL-HM63040927-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

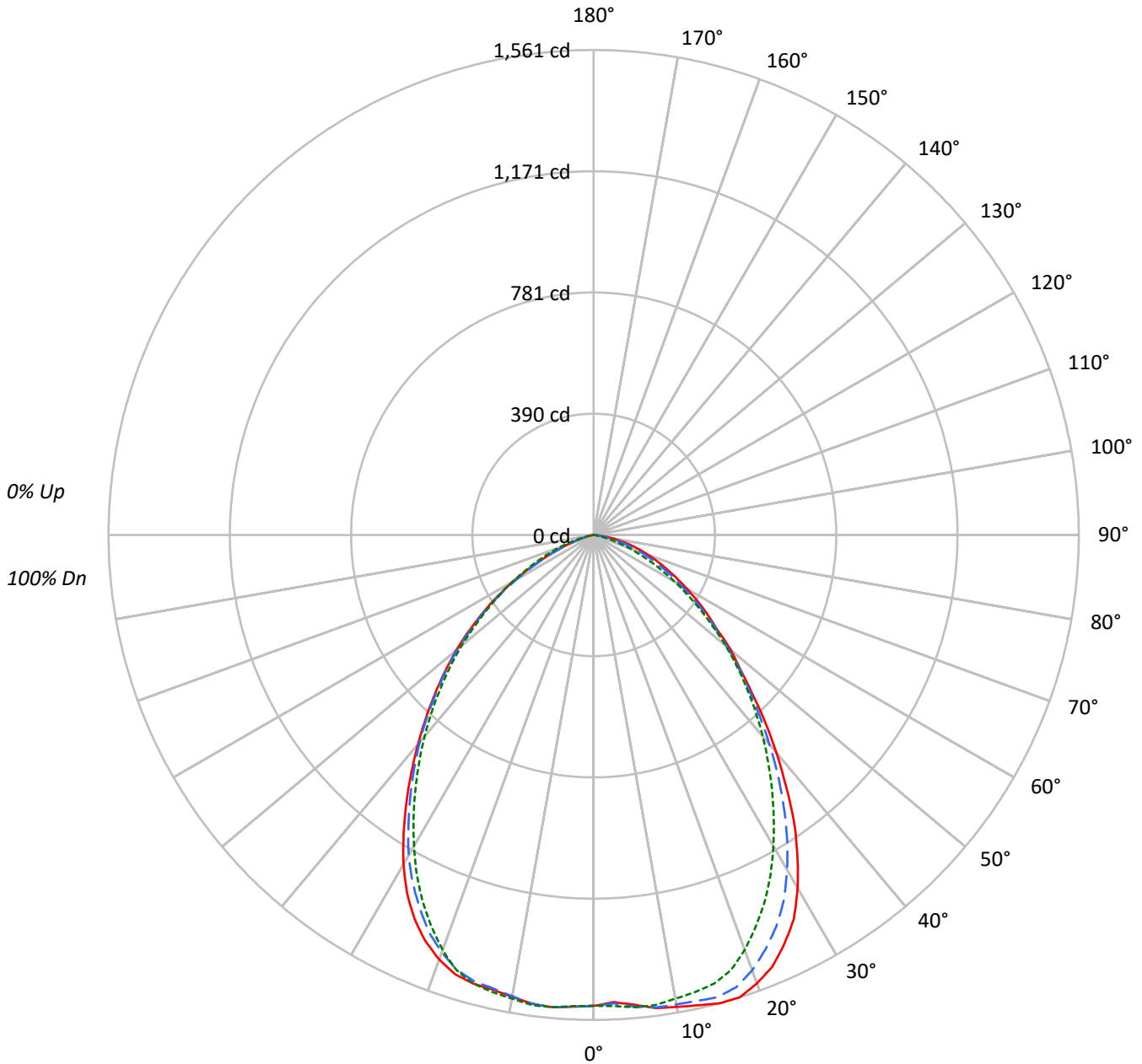
Lumens per Lamp: N/A  
Luminaire Lumens: 3060.1 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
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: P582350  
CATALOG NUMBER: HCC6S35D010SL-HM63040927-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P582350

CATALOG NUMBER: HCC6S35D010SL-HM63040927-61RWWC

**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°	83091	83091	83091
5°	83524	83975	83975
10°	85859	84373	84033
15°	88587	84859	84859
20°	89619	82916	84830
25°	87834	78761	82493
30°	83076	73195	77487
35°	75188	66936	70236
40°	65408	60556	62911
45°	55890	53975	55890
50°	49047	47299	49218
55°	42799	39855	41413
60°	37837	33100	32651
65°	33570	26112	22376
70°	29636	18449	13512
75°	25248	10421	6524
80°	18784	3252	1957
85°	10378	1321	1321



TEST NUMBER: P582350  
 CATALOG NUMBER: HCC6S35D010SL-HM63040927-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.4	4.8
10°-20°	425.4	13.9
20°-30°	621.3	20.3
30°-40°	651.6	21.3
40°-50°	548.9	17.9
50°-60°	384.6	12.6
60°-70°	206.2	6.7
70°-80°	69.2	2.3
80°-90°	7.6	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°	1192.1	39.0
0°-40°	1843.7	60.2
0°-60°	2777.2	90.8
0°-90°	3060.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3060.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1516	1516	1516	1516	1516	
5°	1518	1524	1526	1526	1526	146
15°	1561	1540	1495	1487	1495	440
25°	1452	1390	1302	1325	1364	665
35°	1124	1066	1000	1029	1050	697
45°	721	709	696	715	721	562
55°	448	433	417	425	433	403
65°	259	236	201	166	172	258
75°	119	92	49	31	31	126
85°	16	8	2	2	2	23
90°	0	0	0	0	0	

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



TEST NUMBER: P582350

CATALOG NUMBER: HCC6S35D010SL-HM63040927-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7	1515.7
2.5°	1505.4	1505.4	1509.6	1513.7	1517.8	1517.8	1519.9	1521.9	1519.9
5°	1517.8	1517.8	1524.0	1526.0	1526.0	1524.0	1526.0	1526.0	1526.0
7.5°	1536.2	1532.2	1534.3	1530.2	1526.0	1524.0	1521.9	1521.9	1521.9
10°	1542.4	1538.3	1534.3	1526.0	1515.7	1509.6	1507.5	1509.6	1509.6
12.5°	1550.6	1546.5	1536.2	1519.9	1507.5	1497.3	1495.2	1499.4	1499.4
15°	1560.9	1556.8	1540.4	1513.7	1495.2	1484.9	1487.0	1491.1	1495.2
17.5°	1560.9	1552.7	1526.0	1491.1	1468.6	1458.3	1466.5	1476.7	1482.9
20°	1536.2	1528.1	1491.1	1448.0	1421.3	1415.1	1429.5	1448.0	1454.1
22.5°	1503.4	1487.0	1443.8	1392.5	1363.8	1363.8	1384.3	1406.9	1415.1
25°	1452.1	1439.7	1390.5	1330.8	1302.1	1300.0	1324.8	1355.6	1363.8
27.5°	1394.6	1378.1	1324.8	1263.2	1232.4	1234.3	1261.1	1291.9	1300.0
30°	1312.4	1291.9	1244.6	1185.1	1156.3	1164.5	1191.3	1213.8	1224.1
32.5°	1220.0	1201.5	1158.4	1102.9	1078.3	1086.5	1109.1	1129.7	1137.8
35°	1123.5	1102.9	1065.9	1016.7	1000.2	1008.4	1028.9	1045.4	1049.5
37.5°	1014.6	1000.2	973.5	934.5	922.2	932.4	948.9	959.2	963.2
40°	914.0	901.6	879.1	850.3	846.2	854.4	870.8	877.0	879.1
42.5°	815.4	805.1	790.8	770.2	770.2	778.4	792.7	796.9	798.9
45°	720.9	714.8	708.6	692.1	696.2	706.5	714.8	720.9	720.9
47.5°	638.7	640.8	632.6	620.3	624.3	634.6	640.8	647.0	647.0
50°	575.1	568.9	560.7	548.4	554.6	562.7	571.0	575.1	577.1
52.5°	501.1	499.1	492.9	478.6	482.7	486.8	494.9	501.1	503.2
55°	447.8	441.6	433.3	417.0	417.0	421.1	425.1	429.2	433.3
57.5°	396.4	390.2	377.9	359.4	357.3	357.3	355.4	359.4	365.6
60°	345.1	343.0	324.5	308.1	301.9	295.7	287.5	289.6	297.8
62.5°	299.9	295.7	279.4	258.8	246.5	236.2	225.9	223.8	232.1
65°	258.8	254.6	236.2	215.7	201.3	182.8	166.4	166.4	172.5
67.5°	221.8	213.6	197.2	174.6	156.1	133.5	117.1	121.1	123.2
70°	184.9	178.7	160.2	137.6	115.1	92.4	82.2	84.3	84.3
72.5°	151.9	143.8	125.3	102.7	80.1	59.5	55.4	53.4	53.4
75°	119.2	110.9	92.4	69.8	49.2	34.9	30.8	30.8	30.8
77.5°	86.2	80.1	63.7	43.2	26.7	16.5	14.4	12.4	12.4
80°	59.5	53.4	39.0	22.6	10.3	6.2	6.2	6.2	6.2
82.5°	34.9	28.7	18.4	10.3	4.1	2.1	2.1	2.1	2.1
85°	16.5	12.4	8.2	4.1	2.1	2.1	2.1	2.1	2.1
87.5°	2.1	2.1	2.1	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)