

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: P582116

Luminaire Tested: **HCC6S25D010SL-HM60525940-61RWWC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582116
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: HCC6S25D010SL-HM60525940-61RWWC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

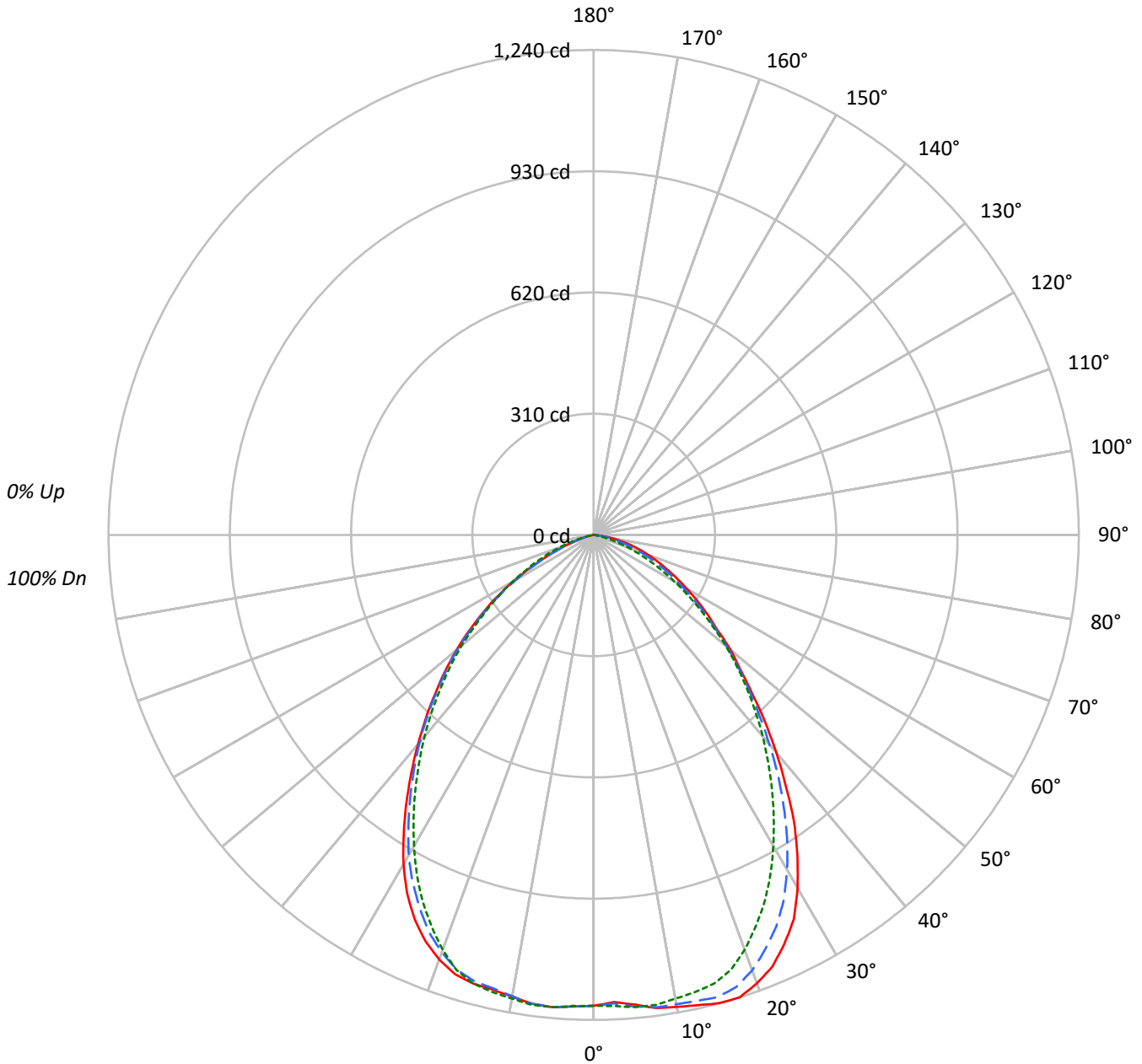
Lumens per Lamp: N/A
Luminaire Lumens: 2430.4 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582116
CATALOG NUMBER: HCC6S25D010SL-HM60525940-61RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P582116

CATALOG NUMBER: HCC6S25D010SL-HM60525940-61RWWC

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68								
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	65998	65998	65998
5°	66338	66696	66696
10°	68196	67016	66743
15°	70358	67401	67401
20°	71185	65852	67375
25°	69760	62556	65514
30°	65985	58129	61541
35°	59715	53164	55787
40°	51947	48097	49965
45°	44392	42865	44392
50°	38950	37560	39086
55°	33987	31655	32897
60°	30041	26292	25941
65°	26657	20742	17784
70°	23546	14634	10723
75°	20037	8282	5168
80°	14964	2557	1547
85°	8177	1006	1006



TEST NUMBER: P582116

CATALOG NUMBER: HCC6S25D010SL-HM60525940-61RWWC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	4.8
10°-20°	337.9	13.9
20°-30°	493.5	20.3
30°-40°	517.5	21.3
40°-50°	436.0	17.9
50°-60°	305.5	12.6
60°-70°	163.8	6.7
70°-80°	54.9	2.3
80°-90°	6.0	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°	946.8	39.0
0°-40°	1464.3	60.2
0°-60°	2205.7	90.8
0°-90°	2430.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2430.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1204	1204	1204	1204	1204	
5°	1206	1210	1212	1212	1212	116
15°	1240	1223	1188	1181	1188	350
25°	1153	1104	1034	1052	1083	528
35°	892	847	794	817	834	554
45°	573	563	553	568	573	446
55°	356	344	331	338	344	320
65°	206	188	160	132	137	205
75°	95	73	39	24	24	100
85°	13	6	2	2	2	18
90°	0	0	0	0	0	

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



TEST NUMBER: P582116

CATALOG NUMBER: HCC6S25D010SL-HM60525940-61RWWC

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1203.9	1203.9	1203.9	1203.9	1203.9	1203.9	1203.9	1203.9	1203.9
2.5°	1195.7	1195.7	1199.0	1202.3	1205.5	1205.5	1207.1	1208.8	1207.1
5°	1205.5	1205.5	1210.4	1212.0	1212.0	1210.4	1212.0	1212.0	1212.0
7.5°	1220.2	1216.9	1218.5	1215.3	1212.0	1210.4	1208.8	1208.8	1208.8
10°	1225.1	1221.8	1218.5	1212.0	1203.9	1199.0	1197.4	1199.0	1199.0
12.5°	1231.6	1228.3	1220.2	1207.1	1197.4	1189.2	1187.6	1190.9	1190.9
15°	1239.7	1236.5	1223.4	1202.3	1187.6	1179.3	1181.0	1184.3	1187.6
17.5°	1239.7	1233.2	1212.0	1184.3	1166.3	1158.1	1164.7	1172.8	1177.7
20°	1220.2	1213.7	1184.3	1150.0	1128.8	1123.9	1135.3	1150.0	1154.9
22.5°	1194.1	1181.0	1146.7	1106.0	1083.1	1083.1	1099.5	1117.4	1123.9
25°	1153.3	1143.5	1104.4	1057.0	1034.2	1032.6	1052.1	1076.6	1083.1
27.5°	1107.7	1094.6	1052.1	1003.2	978.7	980.3	1001.5	1026.1	1032.6
30°	1042.4	1026.1	988.5	941.3	918.3	925.0	946.1	964.1	972.2
32.5°	968.9	954.3	920.1	876.0	856.4	862.9	880.9	897.1	903.7
35°	892.3	876.0	846.7	807.4	794.4	800.9	817.2	830.2	833.6
37.5°	805.8	794.4	773.2	742.2	732.4	740.5	753.7	761.8	765.1
40°	725.9	716.1	698.2	675.4	672.1	678.6	691.7	696.5	698.2
42.5°	647.6	639.4	628.0	611.7	611.7	618.2	629.6	632.9	634.5
45°	572.6	567.6	562.7	549.7	552.9	561.1	567.6	572.6	572.6
47.5°	507.3	509.0	502.5	492.7	495.9	504.1	509.0	513.9	513.9
50°	456.7	451.8	445.3	435.5	440.4	446.9	453.5	456.7	458.3
52.5°	398.1	396.4	391.4	380.0	383.3	386.6	393.1	398.1	399.7
55°	355.6	350.7	344.2	331.2	331.2	334.4	337.7	340.9	344.2
57.5°	314.9	310.0	300.1	285.4	283.8	283.8	282.2	285.4	290.3
60°	274.0	272.4	257.7	244.7	239.8	234.9	228.4	230.1	236.6
62.5°	238.2	234.9	221.9	205.5	195.7	187.6	179.4	177.8	184.3
65°	205.5	202.2	187.6	171.3	159.9	145.2	132.2	132.2	137.1
67.5°	176.2	169.7	156.6	138.7	123.9	106.0	93.0	96.2	97.9
70°	146.9	142.0	127.2	109.3	91.3	73.4	65.3	66.9	66.9
72.5°	120.7	114.1	99.5	81.6	63.7	47.4	44.1	42.4	42.4
75°	94.6	88.1	73.4	55.5	39.1	27.7	24.4	24.4	24.4
77.5°	68.5	63.7	50.6	34.2	21.2	13.0	11.4	9.8	9.8
80°	47.4	42.4	30.9	17.9	8.1	4.9	4.9	4.9	4.9
82.5°	27.7	22.8	14.7	8.1	3.3	1.6	1.6	1.6	1.6
85°	13.0	9.8	6.5	3.3	1.6	1.6	1.6	1.6	1.6
87.5°	1.6	1.6	1.6	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)