

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: P581999

Luminaire Tested: **HCC6S25D010MW-HM60525827-61WWWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581999
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-HM60525827-61WWWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

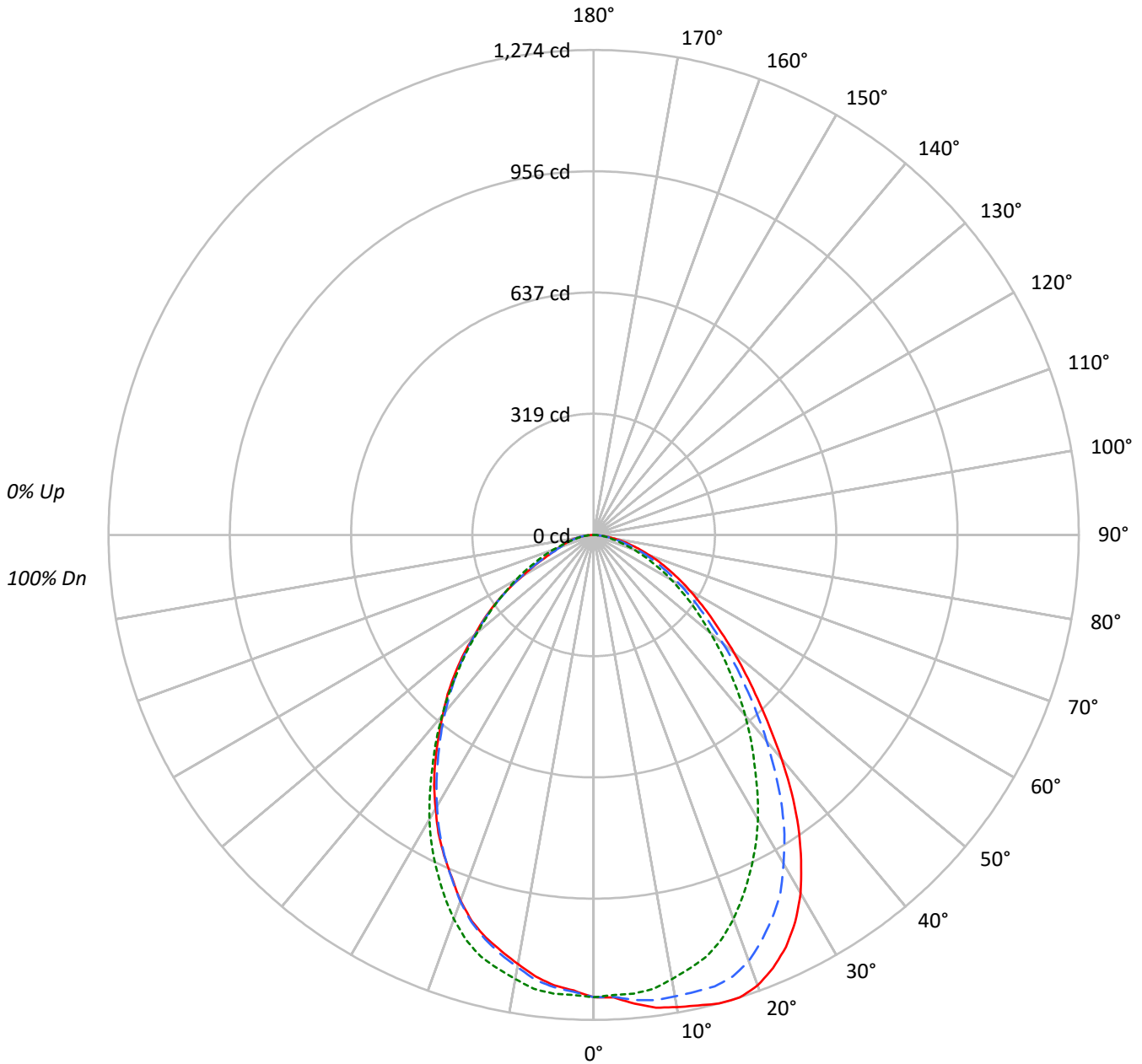
Lumens per Lamp: N/A
Luminaire Lumens: 2378.6 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{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: P581999
CATALOG NUMBER: HCC6S25D010MW-HM60525827-61WWWB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581999

CATALOG NUMBER: HCC6S25D010MW-HM60525827-61WWWB

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	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°	66579	66579	66579
5°	68022	66558	65375
10°	70106	65947	63732
15°	72322	65068	62151
20°	73471	62632	59628
25°	72258	58915	56205
30°	68802	54616	52514
35°	62740	49296	48526
40°	54860	44290	44054
45°	47214	38973	39880
50°	41039	33961	34668
55°	35841	29820	30135
60°	31829	25831	23638
65°	28408	21727	18069
70°	25004	17807	15163
75°	21435	14064	14403
80°	17300	12060	14175
85°	11511	10378	12517



TEST NUMBER: P581999
 CATALOG NUMBER: HCC6S25D010MW-HM60525827-61WWWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	4.8
10°-20°	327.4	13.8
20°-30°	467.3	19.6
30°-40°	489.5	20.6
40°-50°	412.1	17.3
50°-60°	293.4	12.3
60°-70°	171.7	7.2
70°-80°	81.3	3.4
80°-90°	20.9	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°	909.7	38.2
0°-40°	1399.2	58.8
0°-60°	2104.7	88.5
0°-90°	2378.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2378.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1214	1214	1214	1214	1214	
5°	1236	1226	1210	1193	1188	119
15°	1274	1228	1146	1100	1095	360
25°	1195	1110	974	928	929	547
35°	938	859	737	712	725	582
45°	609	564	503	504	514	473
55°	375	343	312	312	315	338
65°	219	194	168	141	139	218
75°	101	85	66	65	68	109
85°	18	15	16	20	20	24
90°	0	0	0	0	0	

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



TEST NUMBER: P581999

CATALOG NUMBER: HCC6S25D010MW-HM60525827-61WWWB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1214.5	1214.5	1214.5	1214.5	1214.5	1214.5	1214.5	1214.5	1214.5
2.5°	1216.2	1216.2	1214.5	1212.9	1209.5	1204.6	1201.3	1198.0	1198.0
5°	1236.1	1232.8	1226.2	1217.9	1209.5	1199.6	1193.0	1188.0	1188.0
7.5°	1252.7	1246.1	1232.8	1217.9	1202.9	1189.7	1178.1	1171.4	1169.8
10°	1259.4	1251.1	1231.2	1207.9	1184.7	1166.4	1153.1	1144.9	1144.9
12.5°	1266.0	1256.0	1229.4	1196.4	1166.4	1141.6	1128.3	1121.7	1119.9
15°	1274.3	1261.0	1227.8	1186.3	1146.5	1118.3	1100.0	1095.1	1095.1
17.5°	1274.3	1257.6	1216.2	1164.8	1115.0	1083.5	1066.9	1061.9	1063.5
20°	1259.4	1241.1	1191.4	1128.3	1073.6	1040.4	1023.7	1020.4	1022.1
22.5°	1231.2	1209.5	1153.1	1085.1	1025.5	990.6	975.6	975.6	974.0
25°	1194.6	1171.4	1110.0	1038.7	974.0	939.1	927.5	929.2	929.2
27.5°	1146.5	1123.3	1061.9	985.6	920.8	886.0	877.7	881.1	882.7
30°	1086.9	1061.9	997.1	922.6	862.8	828.0	823.0	828.0	829.6
32.5°	1013.8	995.5	932.5	856.2	799.8	769.8	768.2	773.2	779.9
35°	937.5	917.6	859.4	789.8	736.6	711.8	711.8	720.1	725.1
37.5°	854.5	834.6	781.5	723.5	678.6	655.4	658.7	667.0	668.7
40°	766.6	751.7	706.8	657.1	618.9	600.7	605.6	614.0	615.6
42.5°	683.6	670.4	633.8	589.0	560.8	547.6	554.2	564.1	567.5
45°	609.0	594.0	564.1	526.0	502.7	496.1	504.5	511.1	514.4
47.5°	540.9	527.6	502.7	467.9	451.3	447.9	456.3	459.6	463.0
50°	481.2	467.9	443.1	411.5	398.2	398.2	404.8	408.2	406.5
52.5°	423.1	411.5	388.3	361.7	353.5	353.5	358.4	360.1	363.4
55°	375.0	363.4	343.4	318.5	312.0	308.6	312.0	312.0	315.3
57.5°	330.2	320.3	302.0	278.8	270.4	267.1	265.5	263.8	267.1
60°	290.3	282.1	262.1	242.2	235.6	227.3	220.7	214.0	215.6
62.5°	253.9	245.6	227.3	207.4	200.7	189.2	180.8	172.5	175.9
65°	219.0	210.8	194.1	177.6	167.5	154.4	141.1	136.1	139.3
67.5°	187.4	180.8	164.3	147.7	139.3	124.4	111.1	111.1	112.8
70°	156.0	149.4	136.1	121.2	111.1	97.9	93.0	94.6	94.6
72.5°	127.8	122.8	109.5	96.2	86.3	77.9	77.9	79.7	81.3
75°	101.2	97.9	84.6	73.0	66.4	61.4	64.7	66.4	68.0
77.5°	77.9	73.0	63.0	54.8	49.7	51.5	54.8	56.4	58.0
80°	54.8	53.1	44.9	39.8	38.2	39.8	43.1	44.9	44.9
82.5°	34.8	33.2	28.2	26.6	26.6	28.2	31.6	31.6	31.6
85°	18.3	16.5	14.9	14.9	16.5	18.3	19.9	19.9	19.9
87.5°	6.6	5.0	6.6	6.6	8.3	8.3	8.3	8.3	8.3
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)