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: P582185

Luminaire Tested: **HCC6S30D010SL-HM63040840-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method:	LM-41-14
Report Number:	P582185
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/16/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO COMMERCIAL
Catalog Number:	HCC6S30D010SL-HM63040840-61NDH
Description:	HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source:	(1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver:	ELECTRONIC DRIVER

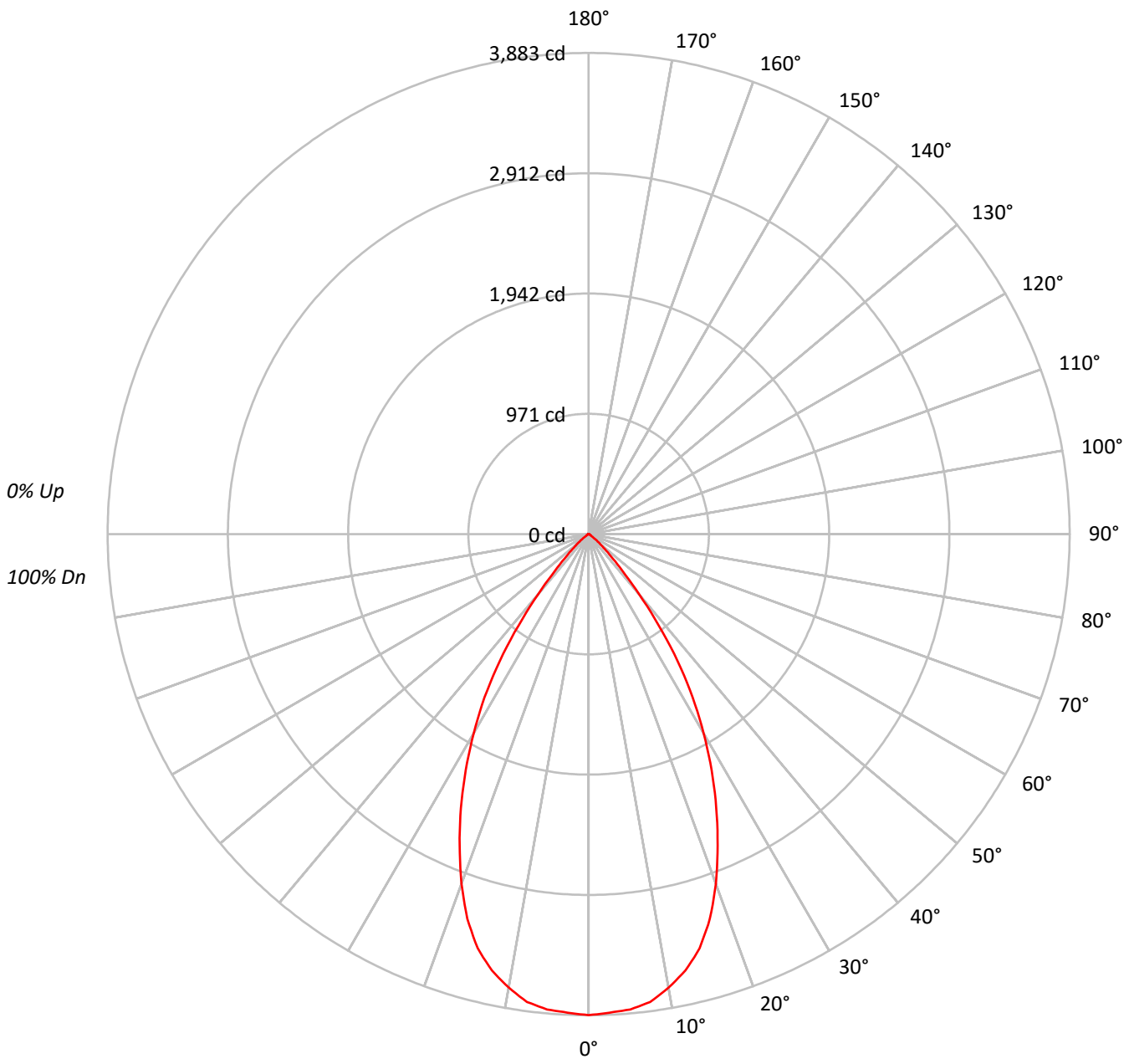
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3477.1 lumens
Efficiency:	N/A
Efficacy:	124.2 lumens/watt
Spacing Criteria (0/90/45):	0.89 / 0.89 / 0.89
Luminous Opening:	Circular (Dia: 0.5' x H: 0')
CIE Type:	Direct

Input Watts (W):	28
Input Voltage (V):	NR
Input Current (Ain):	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: P582185
CATALOG NUMBER: HCC6S30D010SL-HM63040840-61NDH

Luminous Intensity Polar Plot



TEST NUMBER: P582185
CATALOG NUMBER: HCC6S30D010SL-HM63040840-61NDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	66	62	61
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	75	66	60	56	74	65	59	56	64	59	55	63	59	55	62	58	55	54
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	212856
5°	211952
10°	206938
15°	196437
20°	175091
25°	147492
30°	117512
35°	83835
40°	45077
45°	19312
50°	8784
55°	3202
60°	1579
65°	1245
70°	1138
75°	508
80°	758
85°	0

TEST NUMBER: P582185
CATALOG NUMBER: HCC6S30D010SL-HM63040840-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.6	10.5
10°-20°	959.4	27.6
20°-30°	1111.2	32.0
30°-40°	768.3	22.1
40°-50°	221.9	6.4
50°-60°	38.2	1.1
60°-70°	9.7	0.3
70°-80°	3.8	0.1
80°-90°	1.0	0.0
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°	2434.2	70.0
0°-40°	3202.5	92.1
0°-60°	3462.6	99.6
0°-90°	3477.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3477.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3883	
5°	3852	364
15°	3461	959
25°	2438	1111
35°	1253	768
45°	249	222
55°	34	38
65°	10	10
75°	2	4
85°	0	1
90°	0	

TEST NUMBER: P582185
CATALOG NUMBER: HCC6S30D010SL-HM63040840-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3882.8
2.5°	3866.0
5°	3851.6
7.5°	3808.5
10°	3717.5
12.5°	3607.3
15°	3461.2
17.5°	3255.2
20°	3001.3
22.5°	2721.0
25°	2438.4
27.5°	2148.5
30°	1856.4
32.5°	1564.1
35°	1252.7
37.5°	929.3
40°	629.9
42.5°	397.6
45°	249.1
47.5°	160.5
50°	103.0
52.5°	62.3
55°	33.5
57.5°	19.1
60°	14.4
62.5°	12.0
65°	9.6
67.5°	7.1
70°	7.1
72.5°	4.8
75°	2.4
77.5°	2.4
80°	2.4
82.5°	2.4
85°	0.0
87.5°	0.0
90°	0.0

Report Generated By 670245859 / DESKTOP-T8S5UU9

0°-180°

(END OF REPORT)