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: P582194

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

Issue Date: 9/16/2021

Test Information

Test Method:	LM-41-14
Report Number:	P582194
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	9/16/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	HALO COMMERCIAL
Catalog Number:	HCC6S30D010SL-HM63040840-61WDWB
Description:	HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source:	(1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3767.0 lumens
Efficiency:	N/A
Efficacy:	134.5 lumens/watt
Spacing Criteria (0/90/45):	1.2 / 1.2 / 1.05
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

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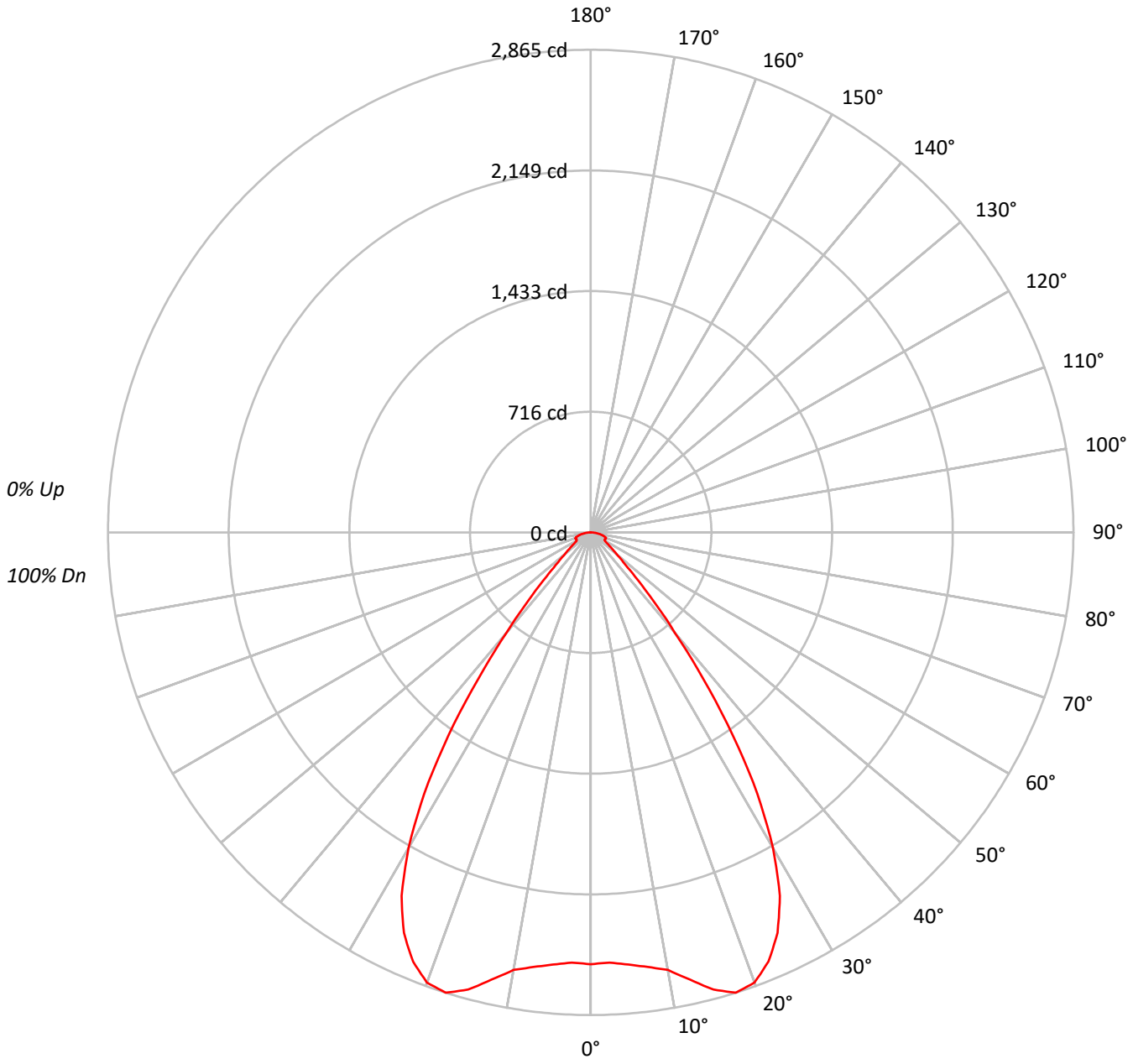
Luminous Intensity Polar Plot



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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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140493
5°	141690
10°	146796
15°	159450
20°	165856
25°	158640
30°	136907
35°	98584
40°	55540
45°	28778
50°	17159
55°	12368
60°	10504
65°	12128
70°	15355
75°	16246
80°	15880
85°	15033

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	6.6
10°-20°	792.4	21.0
20°-30°	1184.4	31.4
30°-40°	905.4	24.0
40°-50°	316.2	8.4
50°-60°	120.5	3.2
60°-70°	94.6	2.5
70°-80°	80.0	2.1
80°-90°	25.7	0.7
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°	2224.6	59.1
0°-40°	3130.0	83.1
0°-60°	3566.7	94.7
0°-90°	3767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2563	
5°	2575	248
15°	2810	792
25°	2623	1184
35°	1473	905
45°	371	316
55°	129	121
65°	94	95
75°	77	80
85°	24	26
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2562.8
2.5°	2555.6
5°	2574.8
7.5°	2601.2
10°	2637.1
12.5°	2718.5
15°	2809.5
17.5°	2864.7
20°	2843.0
22.5°	2756.8
25°	2622.7
27.5°	2431.0
30°	2162.8
32.5°	1841.9
35°	1473.1
37.5°	1092.2
40°	776.1
42.5°	543.7
45°	371.2
47.5°	261.1
50°	201.2
52.5°	158.1
55°	129.4
57.5°	105.3
60°	95.8
62.5°	93.5
65°	93.5
67.5°	98.2
70°	95.8
72.5°	88.6
75°	76.7
77.5°	64.7
80°	50.3
82.5°	35.9
85°	23.9
87.5°	9.6
90°	0.0

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0°-180°

(END OF REPORT)