

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: P582864

Luminaire Tested: **HC6R05D010-HM60525827-62RMDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC6R05D010-HM60525827-62RMDC
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 699.7 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

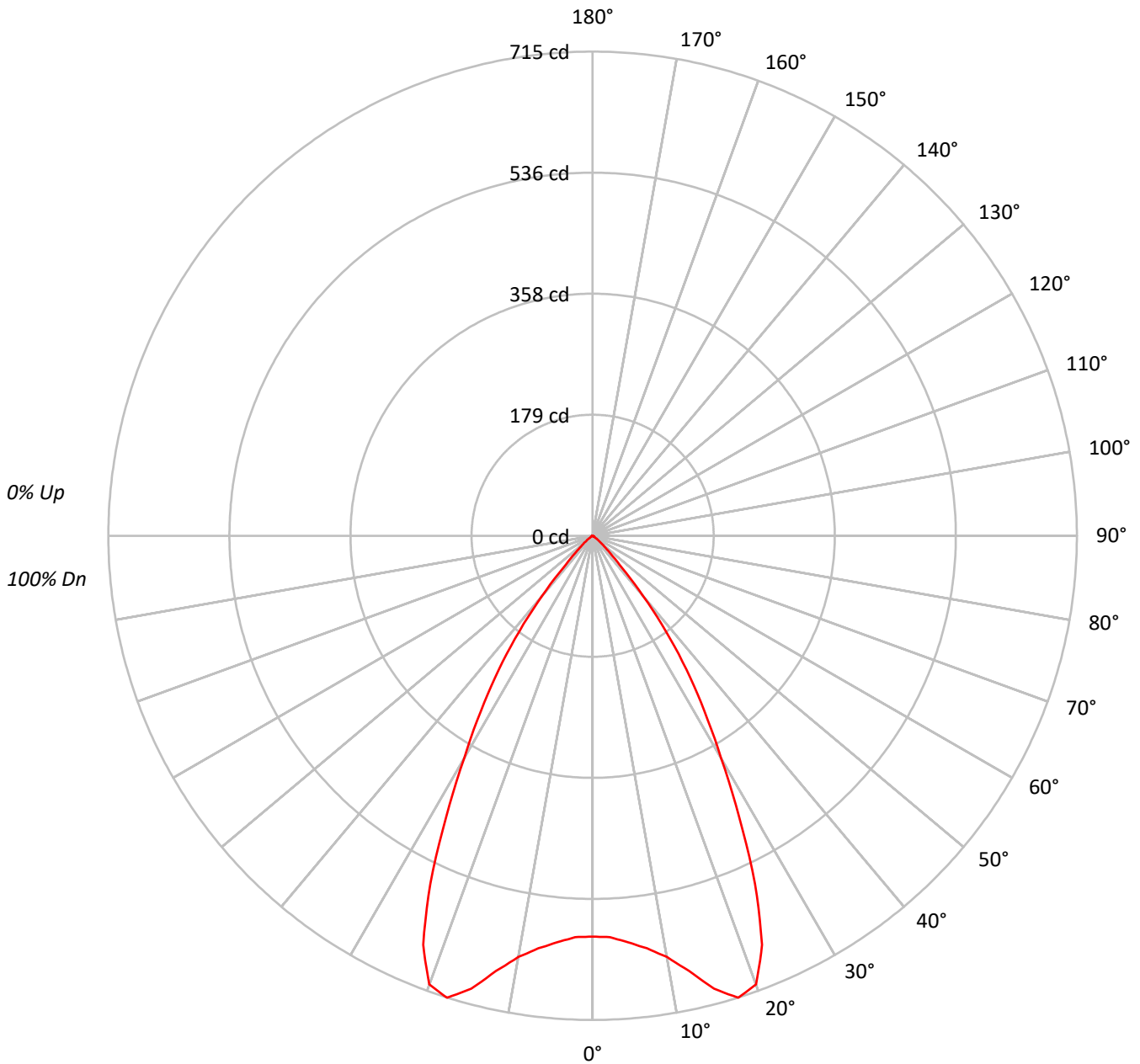
Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582864

CATALOG NUMBER: HC6R05D010-HM60525827-62RMDC

Luminous Intensity Polar Plot





TEST NUMBER: P582864

CATALOG NUMBER: HC6R05D010-HM60525827-62RMDC

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	91	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	89	83	79	86	82	79	84	81	78	83	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	65	62	61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	60	55	52	60	55	52	59	55	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32448
5°	33155
10°	35147
15°	39285
20°	41134
25°	34296
30°	24004
35°	16169
40°	8330
45°	2892
50°	1288
55°	421
60°	197
65°	182
70°	144
75°	106
80°	158
85°	0



TEST NUMBER: P582864

CATALOG NUMBER: HC6R05D010-HM60525827-62RMDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	8.3
10°-20°	195.0	27.9
20°-30°	253.5	36.2
30°-40°	149.7	21.4
40°-50°	35.7	5.1
50°-60°	5.3	0.8
60°-70°	1.3	0.2
70°-80°	0.6	0.1
80°-90°	0.1	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°	506.9	72.5
0°-40°	656.7	93.9
0°-60°	697.7	99.7
0°-90°	699.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	592	
5°	602	58
15°	692	195
25°	567	253
35°	242	150
45°	37	36
55°	4	5
65°	1	1
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P582864

CATALOG NUMBER: HC6R05D010-HM60525827-62RMDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	591.9
2.5°	593.2
5°	602.5
7.5°	614.5
10°	631.4
12.5°	658.1
15°	692.2
17.5°	715.3
20°	705.1
22.5°	653.6
25°	567.0
27.5°	468.0
30°	379.2
32.5°	306.8
35°	241.6
37.5°	177.6
40°	116.4
42.5°	63.5
45°	37.3
47.5°	23.1
50°	15.1
52.5°	8.9
55°	4.4
57.5°	2.3
60°	1.8
62.5°	1.8
65°	1.4
67.5°	0.9
70°	0.9
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)