

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: P581658

Luminaire Tested: **HC6R10D010-HM60525930-62RMDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581658
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: HC6R10D010-HM60525930-62RMDC
Description: HALO COMMERCIAL 6" ROUND, RETROFIT FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.4 lumens
Efficiency: N/A
Efficacy: 106.5 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

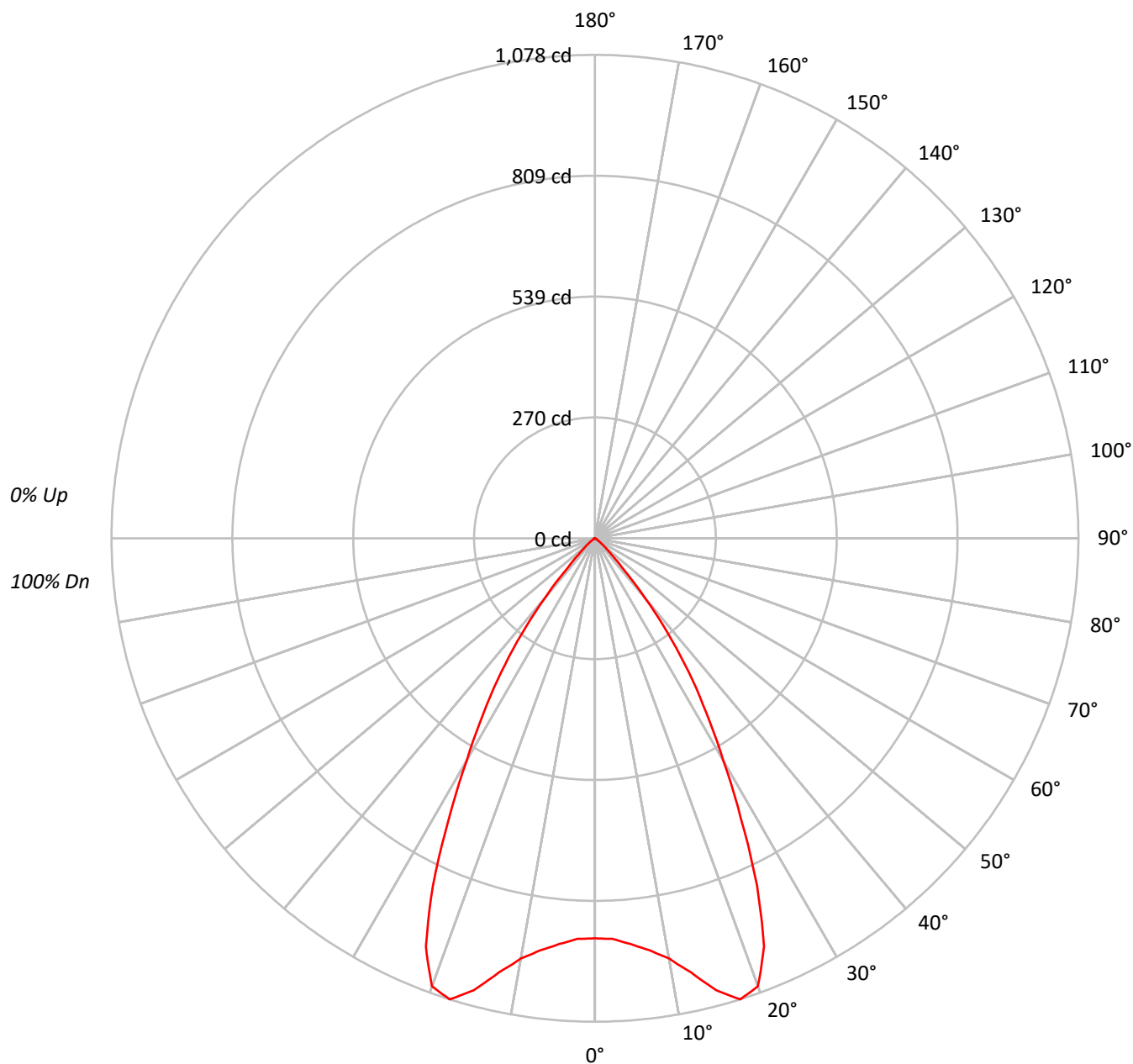
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	91		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	89	83	79		86	82	79		84	81	78		83	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	65	59	55		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		60	55	52		60	55	52		59	55	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48905
5°	49972
10°	52977
15°	59217
20°	61996
25°	51699
30°	36176
35°	24367
40°	12545
45°	4365
50°	1944
55°	640
60°	296
65°	259
70°	224
75°	148
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	8.3
10°-20°	294.0	27.9
20°-30°	382.0	36.2
30°-40°	225.7	21.4
40°-50°	53.9	5.1
50°-60°	8.0	0.8
60°-70°	2.0	0.2
70°-80°	0.8	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°	764.0	72.5
0°-40°	989.7	93.9
0°-60°	1051.5	99.7
0°-90°	1054.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	892	
5°	908	88
15°	1043	294
25°	855	382
35°	364	226
45°	56	54
55°	7	8
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	892.1
2.5°	894.1
5°	908.1
7.5°	926.2
10°	951.7
12.5°	991.7
15°	1043.4
17.5°	1078.1
20°	1062.7
22.5°	985.1
25°	854.7
27.5°	705.3
30°	571.5
32.5°	462.4
35°	364.1
37.5°	267.7
40°	175.3
42.5°	95.7
45°	56.3
47.5°	34.8
50°	22.8
52.5°	13.4
55°	6.7
57.5°	3.4
60°	2.7
62.5°	2.7
65°	2.0
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)