

Scaled data based on original data using  
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or  
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO

Report Number: E395448

Luminaire Tested: **H2925**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: E395448  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H2925  
Description: HALO RECESSED FLUOR - BRICK LIGHT, FLAT LENS  
Light Source: PL9, 600 LUMENS  
Ballast/Driver: -

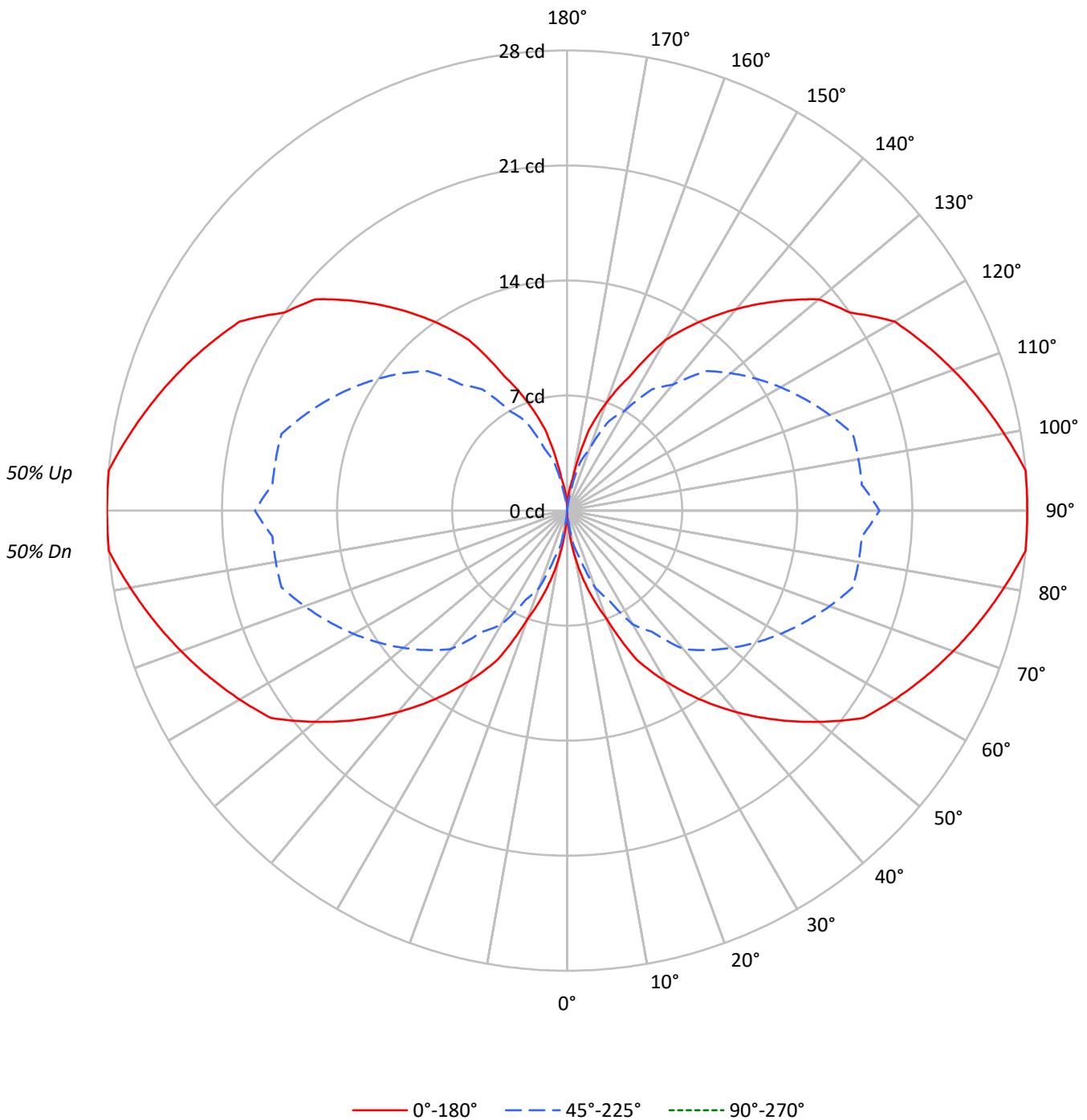
**Summary**

Lumens per Lamp: 600 (1 lamp)  
Luminaire Lumens: 154.8 lumens  
Efficiency: 25.8%  
Efficacy: 12.9 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: (L: 0 ' x W: -0.44 ' x H: 0.13 '  
CIE Type: General Diffuse

Input Watts (W): 12  
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	50	30	10
RCR																				
0	28	28	28	28	26	26	26	26	22	22	22	18	18	18	15	15	15	13	13	13
1	24	22	20	19	22	20	19	17	17	15	14	13	13	12	10	10	9	8	8	8
2	21	18	16	14	19	17	15	13	14	12	11	11	10	9	8	7	7	5	5	5
3	19	16	13	11	17	14	12	10	12	10	8	9	8	7	7	6	5	4	4	4
4	17	13	11	9	15	12	10	8	10	8	7	8	6	5	6	5	4	3	3	3
5	15	12	9	7	14	11	8	7	9	7	6	7	5	4	5	4	3	2	2	2
6	14	10	8	6	13	9	7	6	8	6	5	6	5	4	5	3	3	2	2	2
7	13	9	7	5	12	8	6	5	7	5	4	5	4	3	4	3	2	1	1	1
8	12	8	6	5	11	8	6	4	6	5	3	5	4	3	4	3	2	1	1	1
9	11	8	5	4	10	7	5	4	6	4	3	4	3	2	3	2	2	1	1	1
10	10	7	5	3	9	6	4	3	5	4	3	4	3	2	3	2	1	1	1	1

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.1	0.0	0.0
10°-20°	0.8	0.5	0.1
20°-30°	2.6	1.7	0.4
30°-40°	5.2	3.4	0.9
40°-50°	8.3	5.4	1.4
50°-60°	11.6	7.5	1.9
60°-70°	14.4	9.3	2.4
70°-80°	16.7	10.8	2.8
80°-90°	18.0	11.6	3.0
90°-100°	18.1	11.7	3.0
100°-110°	16.7	10.8	2.8
110°-120°	14.4	9.3	2.4
120°-130°	11.5	7.4	1.9
130°-140°	8.2	5.3	1.4
140°-150°	5.0	3.3	0.8
150°-160°	2.5	1.6	0.4
160°-170°	0.7	0.5	0.1
170°-180°	0.1	0.0	0.0
0°-30°	3.5	2.2	0.6
0°-40°	8.7	5.6	1.4
0°-60°	28.6	18.4	4.8
0°-90°	77.7	50.2	12.9
90°-120°	49.2	31.8	8.2
90°-150°	73.9	47.7	12.3
90°-180°	77.0	49.7	12.8
0°-180°	154.8	100.0	25.8

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	1	1	0	0	0	0
15°	5	4	3	1	0	1
25°	10	8	6	2	0	5
35°	14	13	9	4	0	9
45°	18	16	12	5	0	14
55°	22	20	14	7	0	20
65°	24	22	16	8	0	24
75°	26	24	18	8	0	28
85°	28	25	18	9	0	23
90°	28	26	19	9	0	15
95°	28	26	18	9	0	22
105°	26	24	18	8	0	28
115°	24	22	16	8	0	24
125°	21	20	14	6	0	19
135°	18	16	12	5	0	14
145°	14	12	9	4	0	9
155°	9	8	6	2	0	4
165°	5	4	3	1	0	1
175°	1	1	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0	0	0	0	0	0	0	0	0	0	0
5°	1	1	1	1	1	0	0	0	0	0	0
10°	3	3	2	2	2	2	1	1	0	0	0
15°	5	5	5	4	4	3	2	1	1	0	0
20°	7	7	7	6	6	5	3	2	1	0	0
25°	10	10	9	8	7	6	5	3	1	0	0
30°	12	12	11	10	9	8	6	4	2	0	0
35°	14	14	14	13	11	9	7	5	2	0	0
40°	16	16	16	14	13	11	8	5	3	0	0
45°	18	18	17	16	14	12	9	6	3	1	0
50°	20	20	19	18	16	13	10	7	4	1	0
55°	22	21	21	19	17	14	11	8	4	1	0
60°	23	23	22	21	18	15	12	8	4	1	0
65°	24	24	23	22	19	16	13	9	4	1	0
70°	25	25	24	23	20	17	13	9	5	1	0
75°	26	26	25	24	21	18	14	9	5	1	0
80°	27	27	26	24	22	18	14	10	5	1	0
85°	28	27	26	25	22	18	14	10	5	1	0
90°	28	28	27	25	22	19	15	10	5	1	0
95°	28	27	27	25	22	18	14	10	5	1	0
100°	27	27	26	24	22	18	14	10	5	1	0
105°	26	26	25	24	21	18	14	9	5	1	0
110°	25	25	24	23	20	17	13	9	5	1	0
115°	24	24	23	22	19	16	13	9	4	1	0
120°	23	23	22	21	18	15	12	8	4	1	0
125°	21	21	21	19	17	14	11	7	4	1	0
130°	20	20	19	18	16	13	10	7	3	0	0
135°	18	18	17	16	14	12	9	6	3	0	0
140°	16	16	15	14	13	10	8	5	2	0	0
145°	14	14	13	12	11	9	7	4	2	0	0
150°	12	12	11	10	9	7	6	3	2	0	0
155°	9	9	9	8	7	6	4	3	1	0	0
160°	7	7	7	6	5	4	3	2	1	0	0
165°	5	5	5	4	3	3	2	1	0	0	0
170°	2	2	2	2	2	1	1	0	0	0	0
175°	1	1	1	1	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)