

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: H26040

Luminaire Tested: **H2595**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: H26040
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H2595
Description: HALO QUARTER SPHERE WALL MOUNT SCONCE
FLUORESCENT VERSION
Light Source: (1) 13W/QT4 13 WATTS 900 LUMENS
10mm QUAD TUBE COMPACT FLUORESCENT
G23 D-2 BASE
Ballast/Driver: -

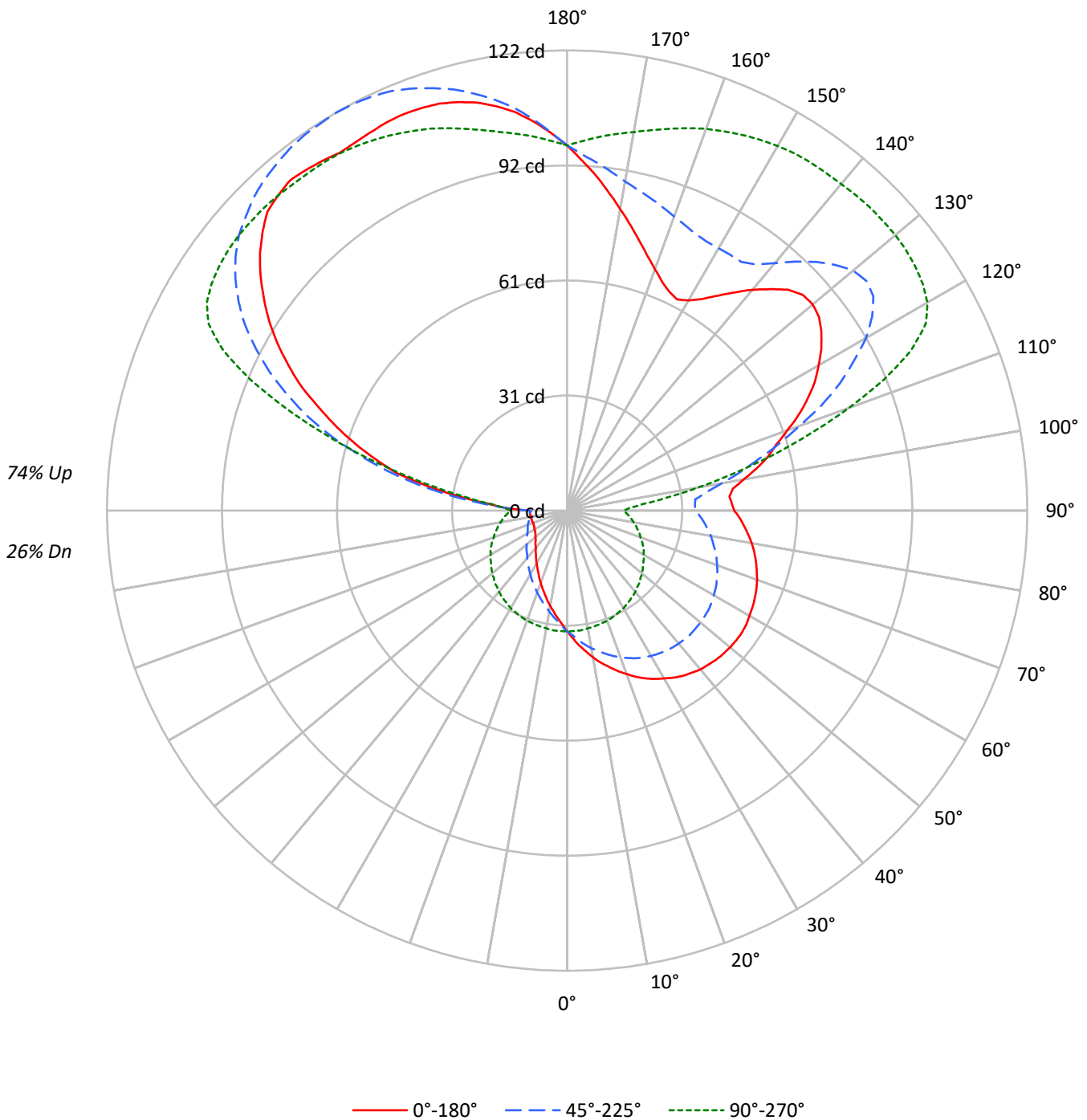
Summary

Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 671.2 lumens
Efficiency: 74.6%
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 1.61 / 1.4 / 1.7
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Semi-Indirect

Input Watts (W): 18
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	76	76	76	76	68	68	68	68	52	52	52	38	38	38	26	26	26	20
1	68	64	61	58	60	57	54	52	44	42	40	32	30	29	20	20	19	14
2	61	55	50	46	54	49	45	41	37	35	32	27	25	23	17	16	15	10
3	55	48	42	38	49	43	38	34	33	29	26	23	21	19	15	13	12	8
4	50	42	36	31	44	37	32	28	29	25	22	21	18	16	13	11	10	7
5	46	37	31	26	41	33	28	24	25	22	19	18	16	13	12	10	9	6
6	42	33	27	23	37	29	24	20	23	19	16	16	14	12	10	9	7	5
7	39	30	24	20	34	26	21	18	20	17	14	15	12	10	9	8	6	4
8	36	27	21	17	32	24	19	15	18	15	12	13	11	9	9	7	6	4
9	33	24	19	15	29	22	17	13	17	13	11	12	10	8	8	6	5	3
10	31	22	17	13	27	20	15	12	15	12	9	11	9	7	7	6	4	3

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminaire represents a point source (luminous area is zero).		
5°	No luminance values can be calculated.		
10°			
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°	3.1	0.5	0.3
10°-20°	9.1	1.4	1.0
20°-30°	14.9	2.2	1.7
30°-40°	19.8	3.0	2.2
40°-50°	23.7	3.5	2.6
50°-60°	26.2	3.9	2.9
60°-70°	27.2	4.1	3.0
70°-80°	26.7	4.0	3.0
80°-90°	24.8	3.7	2.8
90°-100°	31.6	4.7	3.5
100°-110°	59.1	8.8	6.6
110°-120°	83.9	12.5	9.3
120°-130°	90.8	13.5	10.1
130°-140°	81.4	12.1	9.0
140°-150°	64.4	9.6	7.2
150°-160°	46.6	6.9	5.2
160°-170°	28.4	4.2	3.2
170°-180°	9.4	1.4	1.0
0°-30°	27.1	4.0	3.0
0°-40°	46.9	7.0	5.2
0°-60°	96.8	14.4	10.8
0°-90°	175.6	26.2	19.5
90°-120°	174.6	26.0	19.4
90°-150°	411.3	61.3	45.7
90°-180°	496.0	73.9	55.1
0°-180°	671.2	100.0	74.6

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	36	34	32	29	29	4
15°	43	39	31	25	23	12
25°	49	43	30	21	18	23
35°	54	45	29	18	14	34
45°	56	46	27	15	12	43
55°	56	46	25	13	10	51
65°	55	44	22	12	10	54
75°	52	41	19	10	10	55
85°	47	36	16	10	10	39
90°	44	34	15	10	10	24
95°	43	34	20	23	21	36
105°	55	52	56	57	53	58
115°	70	80	101	87	78	70
125°	82	99	113	107	98	73
135°	83	93	114	118	112	64
145°	70	80	113	122	113	44
155°	64	81	110	121	114	30
165°	74	86	105	116	112	21
175°	89	92	100	104	104	8
180°	97	97	97	97	97	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2.5°	33.8	33.6	33.1	32.6	32.0	31.3	30.7	30.4	30.2
5°	35.8	35.2	34.5	33.3	32.0	30.7	29.4	28.9	28.6
7.5°	37.6	37.0	35.8	33.9	31.9	29.9	28.3	27.3	27.1
10°	39.5	38.7	37.1	34.6	31.7	29.2	27.2	26.0	25.7
12.5°	41.3	40.4	38.1	35.2	31.6	28.6	26.1	24.7	24.3
15°	42.9	41.8	39.3	35.5	31.4	27.8	25.1	23.5	22.9
17.5°	44.6	43.4	40.4	36.1	31.2	27.2	24.1	22.3	21.7
20°	46.1	44.8	41.4	36.5	31.1	26.5	23.2	21.2	20.4
22.5°	47.7	46.1	42.3	36.9	30.8	25.9	22.1	20.1	19.3
25°	49.1	47.3	43.2	37.1	30.5	25.2	21.3	18.9	18.1
27.5°	50.3	48.5	43.9	37.4	30.1	24.6	20.4	17.9	17.1
30°	51.4	49.6	44.5	37.4	29.9	23.9	19.5	17.0	16.2
32.5°	52.5	50.4	45.0	37.5	29.4	23.2	18.7	16.1	15.3
35°	53.5	51.2	45.4	37.6	29.0	22.5	17.9	15.3	14.4
37.5°	54.2	51.9	45.8	37.5	28.6	21.9	17.1	14.6	13.7
40°	55.0	52.4	46.0	37.4	28.1	21.2	16.5	13.9	12.9
42.5°	55.4	52.8	46.2	37.2	27.5	20.6	15.7	13.2	12.4
45°	55.9	53.1	46.3	36.9	27.1	19.8	15.2	12.6	11.9
47.5°	56.2	53.4	46.2	36.5	26.4	19.2	14.6	12.1	11.3
50°	56.4	53.5	46.2	36.3	25.9	18.5	14.0	11.7	11.0
52.5°	56.5	53.5	46.0	35.8	25.3	17.9	13.5	11.3	10.6
55°	56.5	53.4	45.8	35.3	24.6	17.3	13.0	11.0	10.3
57.5°	56.3	53.2	45.4	34.8	24.1	16.7	12.6	10.7	10.1
60°	55.8	52.8	44.9	34.2	23.4	16.2	12.2	10.4	10.0
62.5°	55.4	52.3	44.4	33.6	22.9	15.6	11.8	10.2	9.8
65°	54.9	51.8	43.8	32.9	22.2	15.0	11.5	10.0	9.7
67.5°	54.3	51.2	43.1	32.3	21.5	14.5	11.3	9.9	9.6
70°	53.6	50.4	42.3	31.5	20.7	14.0	11.1	9.8	9.6
72.5°	52.7	49.7	41.5	30.7	20.1	13.5	10.8	9.7	9.7
75°	51.8	48.6	40.6	29.9	19.3	12.9	10.5	9.7	9.7
77.5°	50.8	47.6	39.6	29.0	18.7	12.4	10.4	9.7	9.7
80°	49.7	46.5	38.7	28.1	17.9	11.9	10.4	9.7	9.7
82.5°	48.4	45.5	37.6	27.2	17.2	11.3	10.3	9.6	9.8
85°	47.1	44.2	36.5	26.2	16.5	10.9	10.0	9.5	9.9
87.5°	45.8	43.0	35.3	25.3	15.7	10.3	9.8	9.4	9.8
90°	44.3	41.6	34.1	24.2	15.0	10.0	9.6	9.4	9.8
92.5°	43.7	41.4	33.9	24.6	16.6	15.9	16.3	13.7	16.2
95°	43.2	41.1	34.1	26.4	20.3	25.2	23.0	18.3	21.1
97.5°	44.3	42.7	37.2	30.1	27.0	37.2	31.8	25.1	28.9
100°	47.5	46.1	41.6	35.8	35.2	49.8	40.4	33.2	37.7
102.5°	51.4	50.7	46.9	42.9	44.8	62.8	48.9	41.8	46.4
105°	55.1	54.4	52.5	50.7	55.9	75.0	57.1	47.8	52.6
107.5°	58.1	58.8	58.9	59.1	67.4	86.7	65.6	54.1	58.9
110°	62.1	63.7	65.4	67.7	79.4	97.2	73.3	60.3	65.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	66.5	68.5	73.0	75.8	91.0	105.6	80.3	66.2	71.1
115°	70.4	74.2	79.8	83.0	100.7	112.9	87.1	72.0	77.7
117.5°	74.1	79.0	85.6	89.4	107.2	118.0	93.0	77.6	83.3
120°	77.0	83.2	91.5	94.4	110.3	121.6	98.7	82.7	88.7
122.5°	79.9	87.4	95.9	97.0	111.8	124.2	103.3	87.5	93.7
125°	82.3	90.7	99.1	97.6	112.7	125.6	107.4	92.1	98.2
127.5°	84.2	93.3	100.0	97.4	113.3	126.6	110.8	96.1	102.5
130°	85.0	93.9	99.0	97.3	113.6	126.9	113.6	100.0	106.3
132.5°	84.7	93.1	96.4	97.5	113.6	127.2	115.5	103.5	109.5
135°	82.8	90.5	93.2	97.8	113.6	127.3	117.5	106.7	112.3
137.5°	79.6	87.0	89.5	98.0	113.4	127.2	118.9	109.4	113.4
140°	76.4	82.7	85.6	97.6	113.0	126.8	119.9	111.7	114.3
142.5°	72.9	78.8	82.2	97.2	112.8	126.2	120.9	113.6	113.8
145°	69.5	74.8	80.5	96.5	112.6	125.4	121.5	115.4	113.2
147.5°	66.5	71.4	80.4	96.2	112.3	124.4	121.7	116.9	112.4
150°	64.3	68.7	80.3	95.9	111.6	123.3	122.0	117.8	112.6
152.5°	63.1	68.5	80.3	95.8	110.8	121.9	121.8	118.8	113.0
155°	64.0	69.6	80.8	96.0	109.9	120.2	121.3	119.1	113.5
157.5°	65.7	71.1	81.8	96.0	108.8	118.4	120.5	118.9	113.7
160°	68.1	73.0	83.0	96.0	107.7	116.3	119.1	118.3	113.5
162.5°	70.8	75.2	84.3	96.0	106.3	114.2	117.4	117.3	113.1
165°	74.0	77.6	85.7	95.9	104.8	112.1	115.6	115.6	112.1
167.5°	77.5	80.4	87.0	95.8	103.3	109.6	113.2	113.3	110.8
170°	81.1	83.5	88.6	96.0	101.9	107.2	110.6	110.6	108.9
172.5°	85.0	86.9	90.5	96.3	100.7	104.8	107.7	107.7	106.6
175°	89.0	90.0	92.5	96.6	99.5	102.5	104.2	104.0	103.6
177.5°	92.8	93.2	94.4	96.9	98.1	99.5	100.4	100.5	100.3
180°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

(END OF REPORT)