

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P328693

Luminaire Tested: **L815SQ30WF940MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-26)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SQ30WF940MB
Description: Square Track 26x1, 3000lm, 60°, 4000K, black finish
Light Source: (26) 4000K CCT, 92 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2647.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.89
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

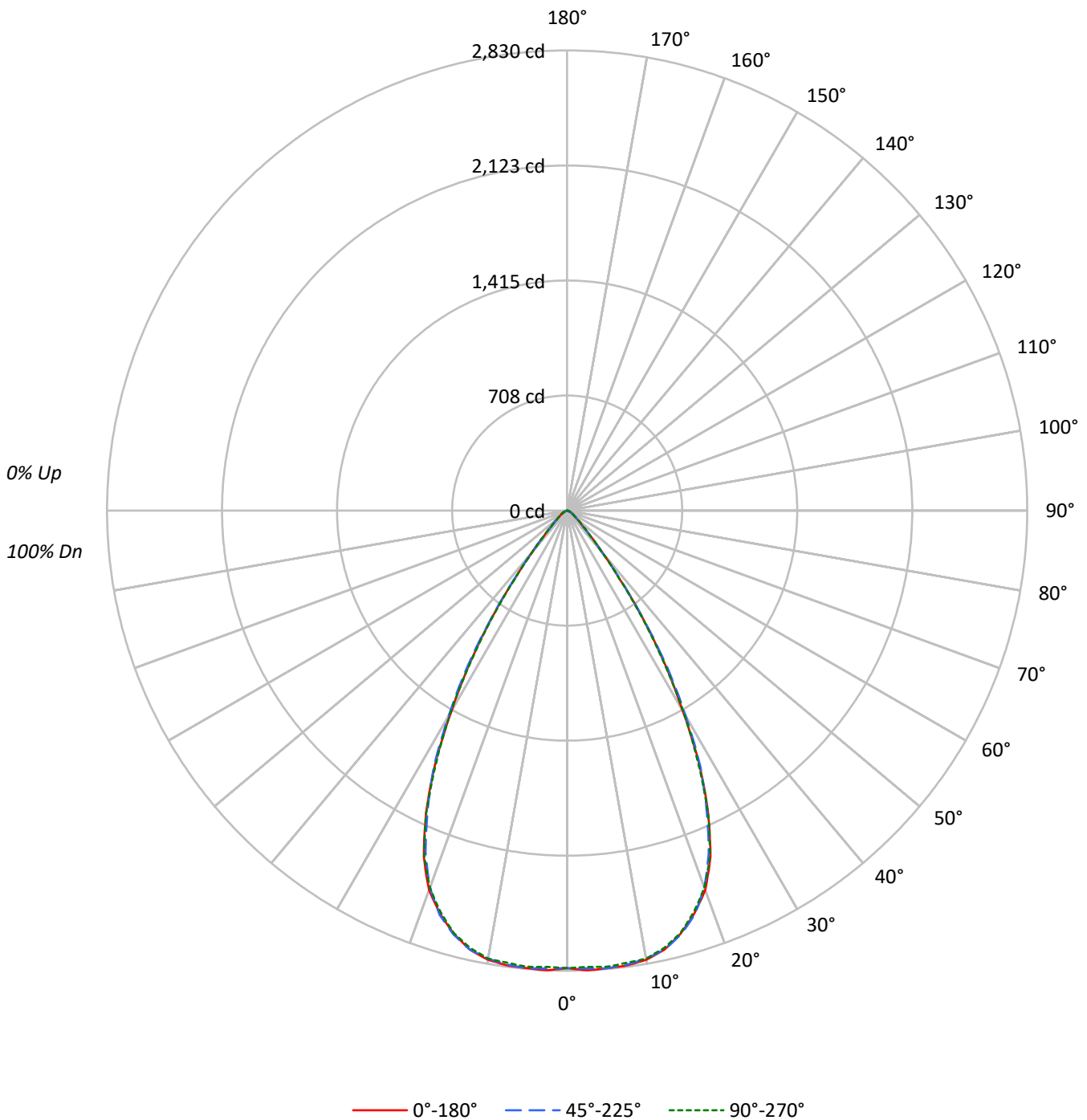
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87				87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75				75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70				70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66				66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61				61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58				58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	56	54				54
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51				51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	272607	272607	272607
5°	274787	274787	273863
10°	275937	275288	275219
15°	270189	270771	269818
20°	256093	254268	254350
25°	219414	216976	219178
30°	159034	162737	160265
35°	96479	97863	94906
40°	42731	41897	41340
45°	19468	18358	19865
50°	11755	10987	11755
55°	8462	7837	8462
60°	6839	6142	6704
65°	5066	5066	5066
70°	3965	3541	3965
75°	2208	2208	2208
80°	391	391	391
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.6	10.1
10°-20°	752.9	28.4
20°-30°	917.5	34.7
30°-40°	509.7	19.3
40°-50°	124.2	4.7
50°-60°	45.5	1.7
60°-70°	22.0	0.8
70°-80°	6.5	0.2
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°	1939.0	73.3
0°-40°	2448.7	92.5
0°-60°	2618.4	98.9
0°-90°	2647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2814	2814	2814	2814	2814	
5°	2826	2821	2826	2822	2816	269
15°	2694	2690	2700	2701	2690	754
25°	2053	2060	2030	2050	2050	919
35°	816	798	828	794	802	511
45°	142	141	134	143	145	126
55°	50	49	46	49	50	47
65°	22	21	22	21	22	23
75°	6	6	6	6	6	7
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2814.0	2814.0	2814.0	2814.0	2814.0
2.5°	2830.2	2812.5	2819.1	2822.8	2808.8
5°	2825.7	2820.6	2825.7	2822.1	2816.2
7.5°	2821.3	2820.6	2816.2	2814.0	2805.1
10°	2805.1	2796.3	2798.5	2799.2	2797.8
12.5°	2766.1	2760.2	2766.1	2763.2	2755.1
15°	2694.0	2689.5	2699.8	2701.3	2690.3
17.5°	2599.7	2587.9	2607.1	2604.9	2589.4
20°	2484.1	2463.5	2466.4	2475.3	2467.2
22.5°	2303.7	2296.4	2275.8	2286.8	2297.8
25°	2052.7	2060.0	2029.9	2049.7	2050.5
27.5°	1761.1	1756.7	1773.6	1760.4	1741.2
30°	1421.7	1416.6	1454.8	1440.8	1432.7
32.5°	1115.4	1093.3	1147.1	1102.9	1104.4
35°	815.8	798.1	827.5	794.4	802.5
37.5°	531.6	519.1	542.6	524.9	529.4
40°	337.9	329.1	331.3	336.5	326.9
42.5°	211.3	209.8	201.7	212.0	212.0
45°	142.1	141.4	134.0	142.8	145.0
47.5°	103.1	101.6	96.4	103.1	103.1
50°	78.0	78.0	72.9	77.3	78.0
52.5°	61.1	61.1	57.4	61.1	61.1
55°	50.1	49.3	46.4	49.3	50.1
57.5°	41.2	40.5	38.3	40.5	42.0
60°	35.3	33.9	31.7	33.9	34.6
62.5°	28.0	27.2	26.5	27.2	28.0
65°	22.1	20.6	22.1	20.6	22.1
67.5°	17.7	16.9	17.7	16.9	17.7
70°	14.0	13.3	12.5	12.5	14.0
72.5°	9.6	8.8	8.8	8.8	9.6
75°	5.9	5.9	5.9	5.9	5.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)