

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: P328690

Luminaire Tested: **L815SQ30WF927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328690
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: L815SQ30WF927MB
Description: Square Track 26x1, 3000lm, 60°, 2700K, black finish
Light Source: (26) 2700K CCT, 92 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

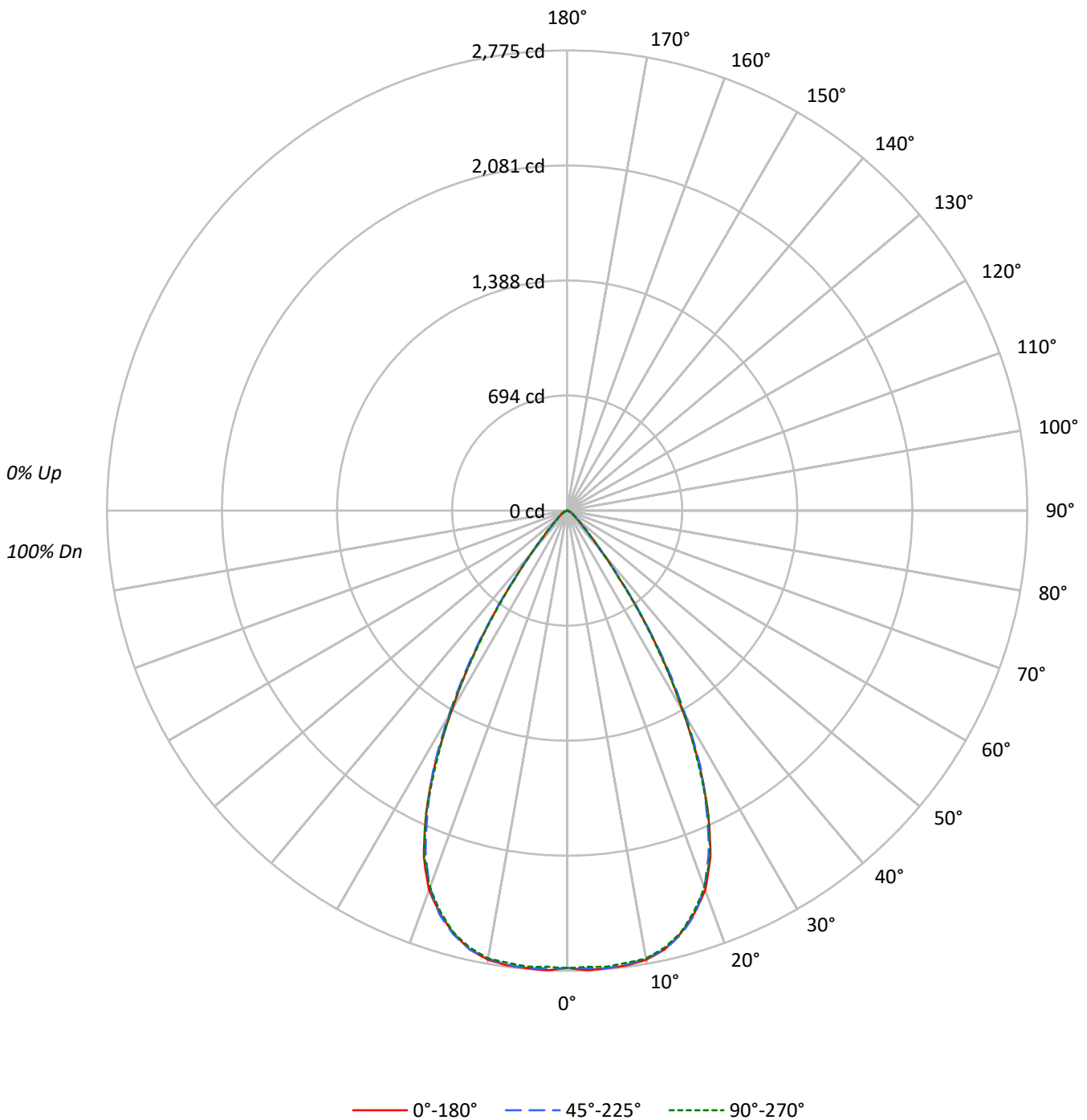
Lumens per Lamp: N/A
Luminaire Lumens: 2595.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.89
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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	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	66	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	55	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°	267250	267250	267250
5°	269389	269389	268475
10°	270517	269878	269809
15°	264873	265455	264512
20°	251062	249278	249350
25°	215106	212712	214871
30°	155913	159549	157122
35°	94575	95947	93049
40°	41897	41075	40531
45°	19084	18002	19482
50°	11529	10776	11529
55°	8293	7685	8293
60°	6704	6006	6568
65°	4974	4974	4974
70°	3880	3484	3880
75°	2171	2171	2171
80°	391	391	391
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.3	10.1
10°-20°	738.1	28.4
20°-30°	899.4	34.7
30°-40°	499.7	19.3
40°-50°	121.8	4.7
50°-60°	44.6	1.7
60°-70°	21.6	0.8
70°-80°	6.4	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°	1900.9	73.3
0°-40°	2400.6	92.5
0°-60°	2567.0	98.9
0°-90°	2595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2770	2765	2770	2767	2761	264
15°	2641	2637	2647	2648	2637	739
25°	2012	2020	1990	2010	2010	901
35°	800	782	811	779	787	501
45°	139	139	131	140	142	124
55°	49	48	46	48	49	46
65°	22	20	22	20	22	22
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°	2758.7	2758.7	2758.7	2758.7	2758.7
2.5°	2774.6	2757.2	2763.7	2767.3	2753.6
5°	2770.2	2765.2	2770.2	2766.6	2760.8
7.5°	2765.9	2765.2	2760.8	2758.7	2750.0
10°	2750.0	2741.4	2743.5	2744.2	2742.8
12.5°	2711.8	2706.0	2711.8	2708.9	2700.9
15°	2641.0	2636.7	2646.8	2648.2	2637.4
17.5°	2548.6	2537.1	2555.9	2553.7	2538.5
20°	2435.3	2415.1	2418.0	2426.7	2418.7
22.5°	2258.5	2251.3	2231.1	2241.9	2252.7
25°	2012.4	2019.6	1990.0	2009.5	2010.2
27.5°	1726.5	1722.2	1738.8	1725.8	1707.0
30°	1393.8	1388.7	1426.3	1412.5	1404.6
32.5°	1093.5	1071.9	1124.5	1081.2	1082.7
35°	799.7	782.4	811.3	778.8	786.8
37.5°	521.1	508.9	532.0	514.6	519.0
40°	331.3	322.6	324.8	329.9	320.5
42.5°	207.2	205.7	197.8	207.9	207.9
45°	139.3	138.6	131.4	140.0	142.2
47.5°	101.1	99.6	94.6	101.1	101.1
50°	76.5	76.5	71.5	75.8	76.5
52.5°	59.9	59.9	56.3	59.9	59.9
55°	49.1	48.4	45.5	48.4	49.1
57.5°	40.4	39.7	37.5	39.7	41.1
60°	34.6	33.2	31.0	33.2	33.9
62.5°	27.4	26.7	26.0	26.7	27.4
65°	21.7	20.2	21.7	20.2	21.7
67.5°	17.3	16.6	17.3	16.6	17.3
70°	13.7	13.0	12.3	12.3	13.7
72.5°	9.4	8.7	8.7	8.7	9.4
75°	5.8	5.8	5.8	5.8	5.8
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)