

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: P328678

Luminaire Tested: **L815SQ30FL927MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P328678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-25)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L815SQ30FL927MB
Description: Square Track 26x1, 3000lm, 37°, 2700K, black finish
Light Source: (26) 2700K CCT, 92 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

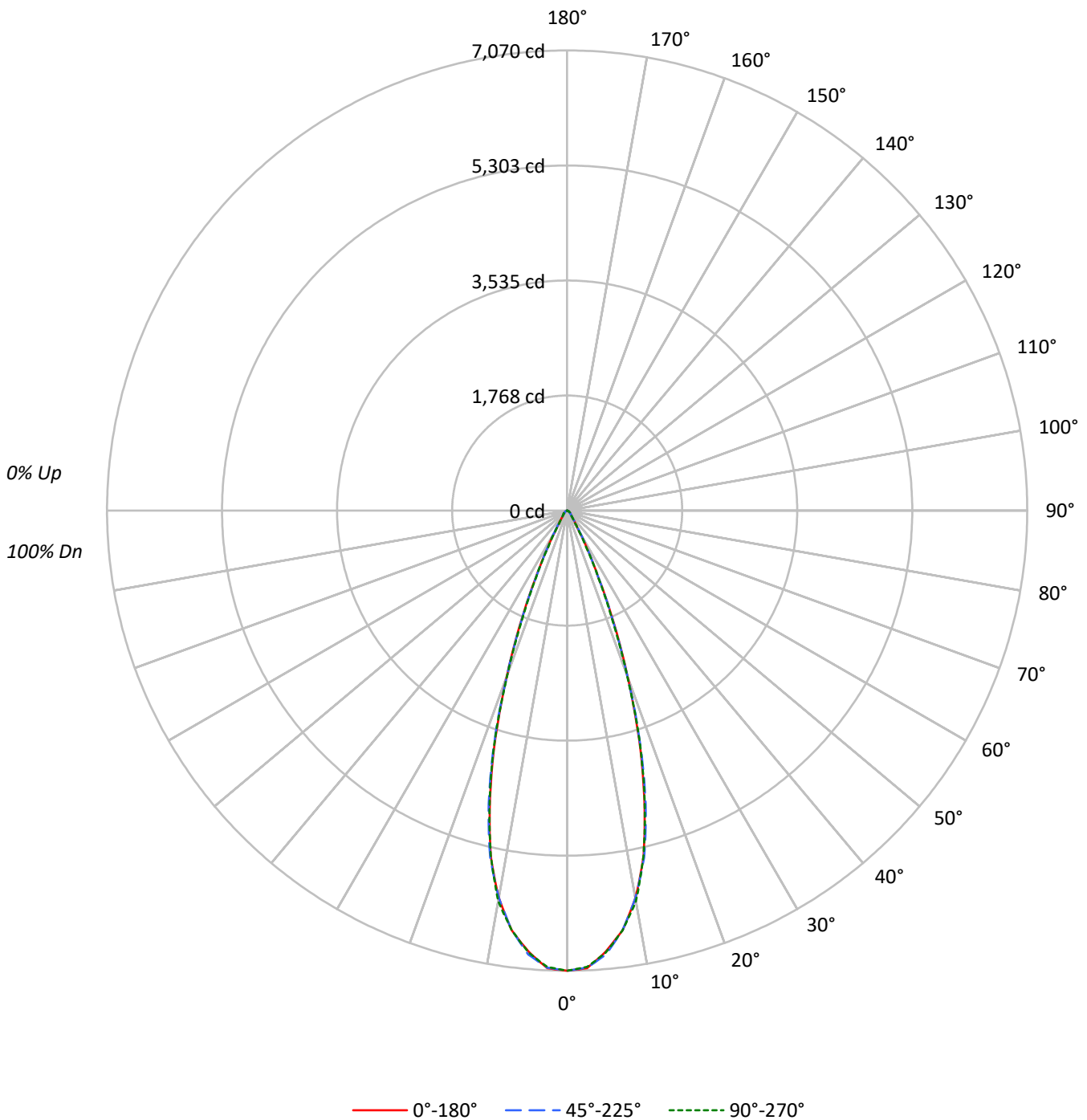
Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.6 / 0.56
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	74	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	684929	684929	684929
5°	661435	665713	662699
10°	594528	594597	599279
15°	459401	467736	461648
20°	278979	279051	276443
25°	121823	121213	120519
30°	43201	46110	41176
35°	18780	19549	18437
40°	12596	12684	12874
45°	10782	10385	11070
50°	9570	8380	9796
55°	8529	7431	8783
60°	7421	6433	7421
65°	5295	5295	5295
70°	4079	3682	3880
75°	2171	2171	2171
80°	391	391	391
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.5	23.4
10°-20°	1236.2	46.1
20°-30°	569.3	21.2
30°-40°	117.9	4.4
40°-50°	60.6	2.3
50°-60°	43.1	1.6
60°-70°	23.1	0.9
70°-80°	6.2	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°	2433.0	90.6
0°-40°	2550.9	95.0
0°-60°	2654.6	98.9
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7070	7070	7070	7070	7070	
5°	6802	6853	6846	6841	6815	627
15°	4581	4607	4664	4621	4603	1230
25°	1140	1137	1134	1115	1128	573
35°	159	162	165	160	156	117
45°	79	77	76	79	81	61
55°	50	48	44	49	52	45
65°	23	22	23	22	23	24
75°	6	5	6	5	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°	7070.2	7070.2	7070.2	7070.2	7070.2
2.5°	7037.7	7038.4	7027.6	7024.7	7017.5
5°	6801.7	6852.9	6845.7	6840.6	6814.7
7.5°	6507.2	6505.7	6503.6	6506.4	6505.0
10°	6043.8	6043.8	6044.5	6064.0	6092.1
12.5°	5433.8	5429.5	5462.7	5466.3	5421.6
15°	4580.6	4606.6	4663.7	4621.1	4603.0
17.5°	3665.4	3702.9	3714.5	3676.9	3695.0
20°	2706.1	2691.7	2706.8	2714.0	2681.5
22.5°	1868.8	1847.8	1855.1	1818.3	1798.8
25°	1139.7	1136.9	1134.0	1115.2	1127.5
27.5°	673.5	687.2	684.3	672.7	631.6
30°	386.2	398.4	412.2	393.4	368.1
32.5°	241.8	241.8	251.2	238.9	227.4
35°	158.8	162.4	165.3	160.2	155.9
37.5°	121.3	120.5	122.0	122.0	119.8
40°	99.6	99.6	100.3	101.1	101.8
42.5°	87.3	85.9	87.3	88.8	90.2
45°	78.7	77.2	75.8	78.7	80.8
47.5°	70.7	69.3	65.0	70.0	72.9
50°	63.5	61.4	55.6	62.8	65.0
52.5°	56.3	54.9	49.1	56.3	58.5
55°	50.5	48.4	44.0	49.1	52.0
57.5°	44.0	42.6	39.0	42.6	44.8
60°	38.3	36.1	33.2	36.1	38.3
62.5°	30.3	29.6	28.2	28.9	30.3
65°	23.1	21.7	23.1	21.7	23.1
67.5°	18.8	16.6	18.8	16.6	18.0
70°	14.4	13.0	13.0	12.3	13.7
72.5°	8.7	8.7	8.7	8.7	8.7
75°	5.8	5.1	5.8	5.1	5.8
77.5°	2.9	2.9	2.2	2.2	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)