

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: P232676

Luminaire Tested: **SMD6R12935WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1709-299-1)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMD6R12935WH
Description: HALO 6" ROUND SURFACE MOUNT 1200LM
Light Source: (49) 3500K CCT, 90 CRI LEDS
Ballast/Driver: LEEDARSON ELECTRONIC DRIVER

Summary

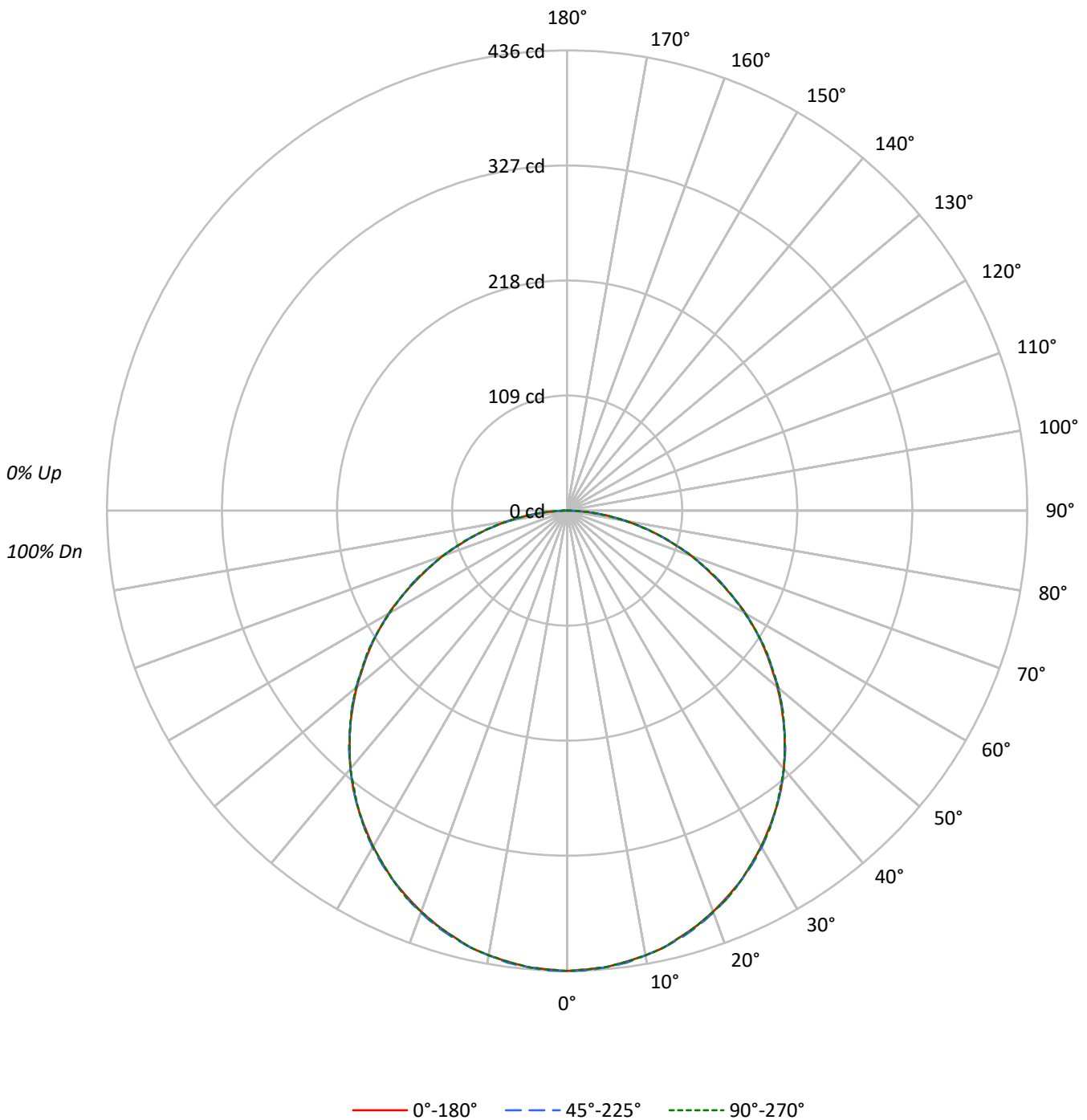
Lumens per Lamp: N/A
Luminaire Lumens: 1263.9 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Circular (Dia: 0.52' x H: 0')
CIE Type: Direct

Input Watts (W): 15.3
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



TEST NUMBER: P232676
CATALOG NUMBER: SMD6R12935WH

Luminous Intensity Polar Plot





TEST NUMBER: P232676

CATALOG NUMBER: SMD6R12935WH

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	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74		81	77	73		78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	42
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22038	22038	22038
5°	22016	22016	22016
10°	21957	21957	21957
15°	21848	21905	21848
20°	21742	21796	21742
25°	21629	21629	21629
30°	21445	21503	21445
35°	21278	21278	21278
40°	21065	21065	21065
45°	20777	20777	20777
50°	20444	20522	20522
55°	20109	20197	20197
60°	19764	19653	19653
65°	18972	19211	19091
70°	18450	18450	18450
75°	17588	17588	17588
80°	16380	16380	16380
85°	14260	14260	14260



TEST NUMBER: P232676

CATALOG NUMBER: SMD6R12935WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	3.3
10°-20°	118.1	9.3
20°-30°	178.9	14.2
30°-40°	215.9	17.1
40°-50°	224.6	17.8
50°-60°	204.2	16.2
60°-70°	158.1	12.5
70°-80°	95.1	7.5
80°-90°	27.9	2.2
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°	338.2	26.8
0°-40°	554.1	43.8
0°-60°	982.8	77.8
0°-90°	1263.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1263.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	434	434	434	434	434	41
15°	418	419	419	418	418	118
25°	388	388	388	388	388	179
35°	345	345	345	345	345	216
45°	291	291	291	291	291	224
55°	228	228	229	228	229	204
65°	159	160	161	160	160	158
75°	90	90	90	90	90	95
85°	25	25	25	25	25	28
90°	0	0	0	0	0	



TEST NUMBER: P232676

CATALOG NUMBER: SMD6R12935WH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	436.2	436.2	436.2	436.2	436.2
2.5°	435.1	436.2	436.2	435.1	435.1
5°	434.1	434.1	434.1	434.1	434.1
7.5°	431.0	432.1	432.1	431.0	431.0
10°	428.0	428.0	428.0	428.0	428.0
12.5°	423.9	423.9	423.9	423.9	423.9
15°	417.7	418.8	418.8	417.7	417.7
17.5°	411.6	412.6	412.6	411.6	411.6
20°	404.4	405.4	405.4	404.4	404.4
22.5°	396.2	397.3	397.3	396.2	397.3
25°	388.0	388.0	388.0	388.0	388.0
27.5°	377.8	378.8	378.8	378.8	377.8
30°	367.6	368.6	368.6	367.6	367.6
32.5°	356.3	357.3	357.3	357.3	357.3
35°	345.0	345.0	345.0	345.0	345.0
37.5°	332.8	332.8	332.8	332.8	331.7
40°	319.4	319.4	319.4	319.4	319.4
42.5°	305.1	306.1	306.1	306.1	305.1
45°	290.8	290.8	290.8	290.8	290.8
47.5°	275.4	276.4	276.4	276.4	276.4
50°	260.1	261.1	261.1	261.1	261.1
52.5°	243.7	244.7	244.7	244.7	244.7
55°	228.3	228.3	229.3	228.3	229.3
57.5°	211.9	211.9	211.9	211.9	211.9
60°	195.6	194.5	194.5	194.5	194.5
62.5°	177.1	177.1	177.1	177.1	177.1
65°	158.7	159.7	160.7	159.7	159.7
67.5°	141.3	142.3	142.3	142.3	142.3
70°	124.9	123.9	124.9	124.9	124.9
72.5°	106.5	107.5	107.5	106.5	107.5
75°	90.1	90.1	90.1	90.1	90.1
77.5°	72.7	73.7	72.7	72.7	72.7
80°	56.3	56.3	56.3	56.3	56.3
82.5°	39.9	39.9	39.9	39.9	39.9
85°	24.6	24.6	24.6	24.6	24.6
87.5°	10.2	10.2	10.2	9.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)