

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: P166802

Luminaire Tested: **SLD606930WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P166802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14660)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SLD606930WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

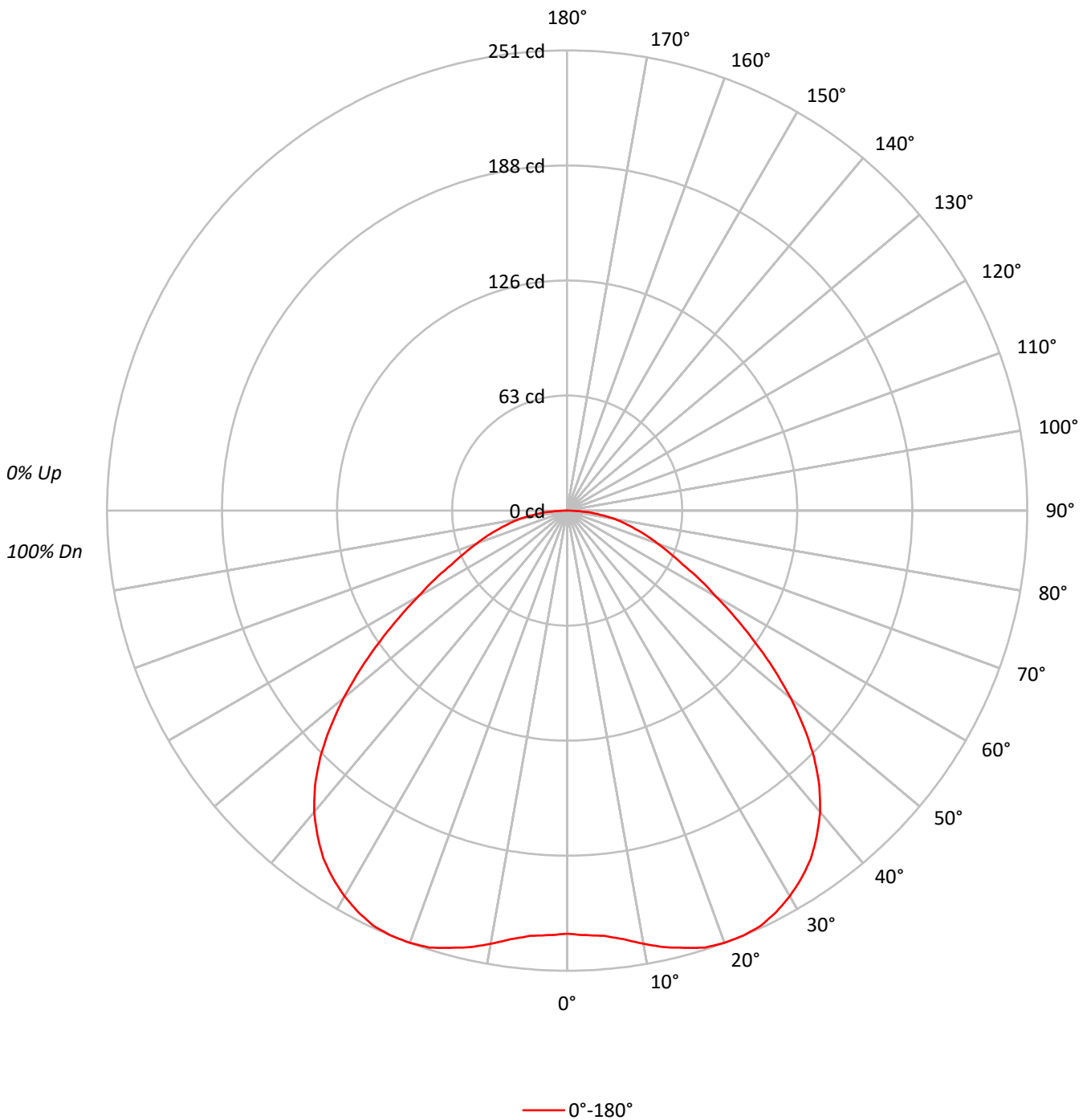
Lumens per Lamp: N/A
Luminaire Lumens: 735.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.5 / 1.51
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.2
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: P166802
CATALOG NUMBER: SLD606930WH

Luminous Intensity Polar Plot





TEST NUMBER: P166802

CATALOG NUMBER: SLD606930WH

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	109	105	101	97	107	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	18220
5°	18448
10°	19230
15°	20178
20°	21077
25°	21767
30°	22141
35°	22338
40°	22125
45°	21267
50°	19551
55°	17204
60°	14794
65°	12982
70°	12094
75°	11682
80°	11911
85°	11865



TEST NUMBER: P166802
 CATALOG NUMBER: SLD606930WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	3.1
10°-20°	70.0	9.5
20°-30°	115.0	15.6
30°-40°	144.5	19.7
40°-50°	145.9	19.8
50°-60°	112.1	15.3
60°-70°	70.4	9.6
70°-80°	41.0	5.6
80°-90°	13.7	1.9
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°	207.5	28.2
0°-40°	352.0	47.9
0°-60°	609.9	83.0
0°-90°	735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	233	22
15°	247	70
25°	250	115
35°	232	144
45°	190	146
55°	125	112
65°	70	70
75°	38	41
85°	13	14
90°	0	



TEST NUMBER: P166802
CATALOG NUMBER: SLD606930WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	230.8
2.5°	231.8
5°	232.8
7.5°	235.8
10°	239.9
12.5°	243.9
15°	246.9
17.5°	249.9
20°	250.9
22.5°	250.9
25°	249.9
27.5°	246.9
30°	242.9
32.5°	237.8
35°	231.8
37.5°	223.7
40°	214.7
42.5°	203.6
45°	190.5
47.5°	175.4
50°	159.2
52.5°	142.1
55°	125.0
57.5°	108.8
60°	93.7
62.5°	81.6
65°	69.5
67.5°	60.5
70°	52.4
72.5°	45.4
75°	38.3
77.5°	32.3
80°	26.2
82.5°	19.1
85°	13.1
87.5°	5.0
90°	0.0

(END OF REPORT)