

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: P166801

Luminaire Tested: **SLD606927WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P166801
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: SLD606927WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

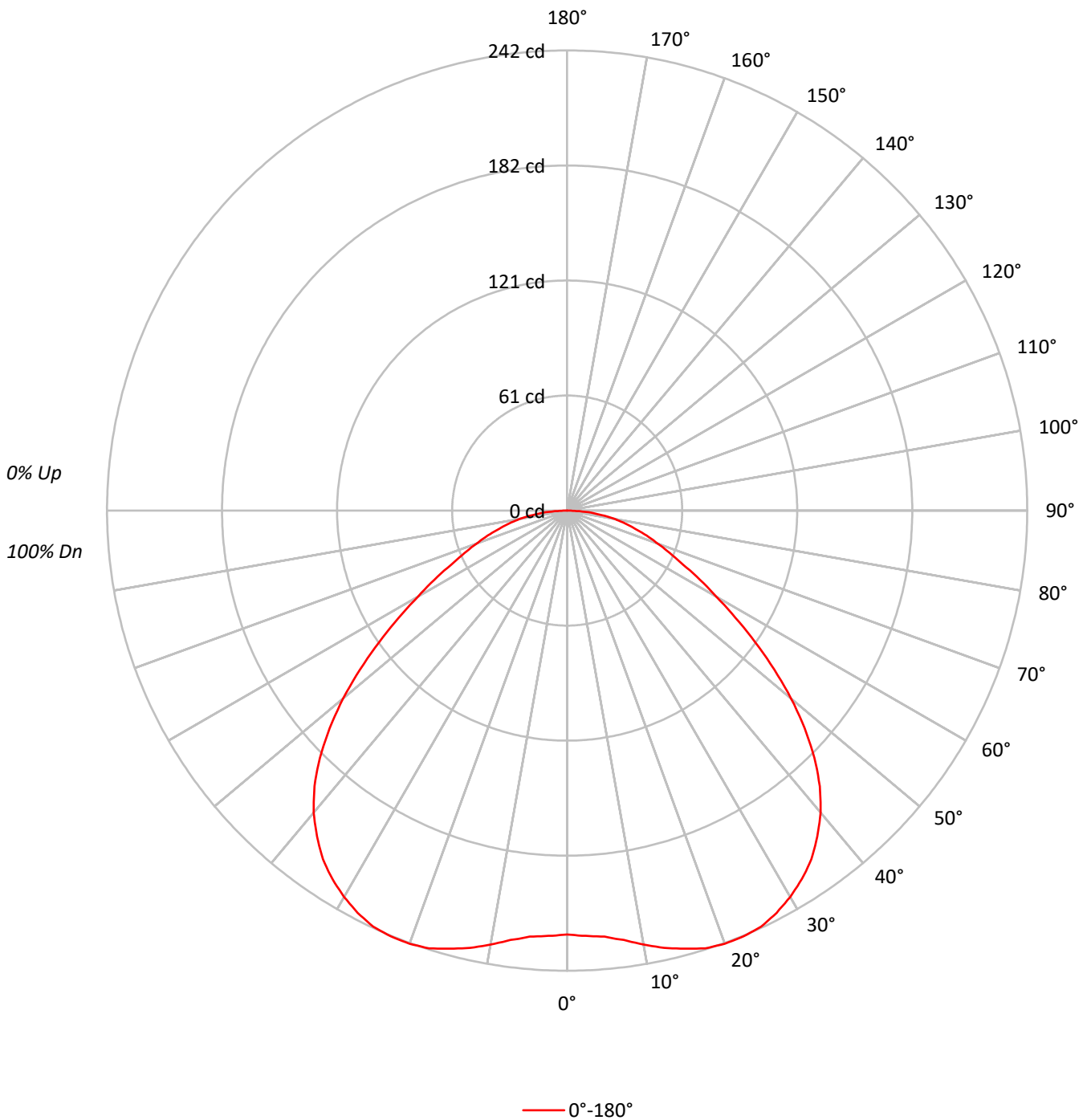
Lumens per Lamp: N/A
Luminaire Lumens: 710.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.5 / 1.51
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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



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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	109	105	100	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°	17596
5°	17822
10°	18573
15°	19492
20°	20363
25°	21026
30°	21385
35°	21577
40°	21373
45°	20542
50°	18888
55°	16612
60°	14288
65°	12552
70°	11679
75°	11285
80°	11501
85°	11503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	3.1
10°-20°	67.7	9.5
20°-30°	111.1	15.6
30°-40°	139.6	19.7
40°-50°	140.9	19.8
50°-60°	108.3	15.3
60°-70°	68.0	9.6
70°-80°	39.6	5.6
80°-90°	13.3	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°	200.4	28.2
0°-40°	340.0	47.9
0°-60°	589.2	83.0
0°-90°	710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	710.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	223	
5°	225	22
15°	238	68
25°	241	111
35°	224	140
45°	184	141
55°	121	108
65°	67	68
75°	37	40
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	222.9
2.5°	223.9
5°	224.9
7.5°	227.8
10°	231.7
12.5°	235.6
15°	238.5
17.5°	241.4
20°	242.4
22.5°	242.4
25°	241.4
27.5°	238.5
30°	234.6
32.5°	229.8
35°	223.9
37.5°	216.1
40°	207.4
42.5°	196.7
45°	184.0
47.5°	169.4
50°	153.8
52.5°	137.3
55°	120.7
57.5°	105.1
60°	90.5
62.5°	78.9
65°	67.2
67.5°	58.4
70°	50.6
72.5°	43.8
75°	37.0
77.5°	31.2
80°	25.3
82.5°	18.5
85°	12.7
87.5°	4.9
90°	0.0

(END OF REPORT)