

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: P177854

Luminaire Tested: **SLD612935WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26354)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SLD612935WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

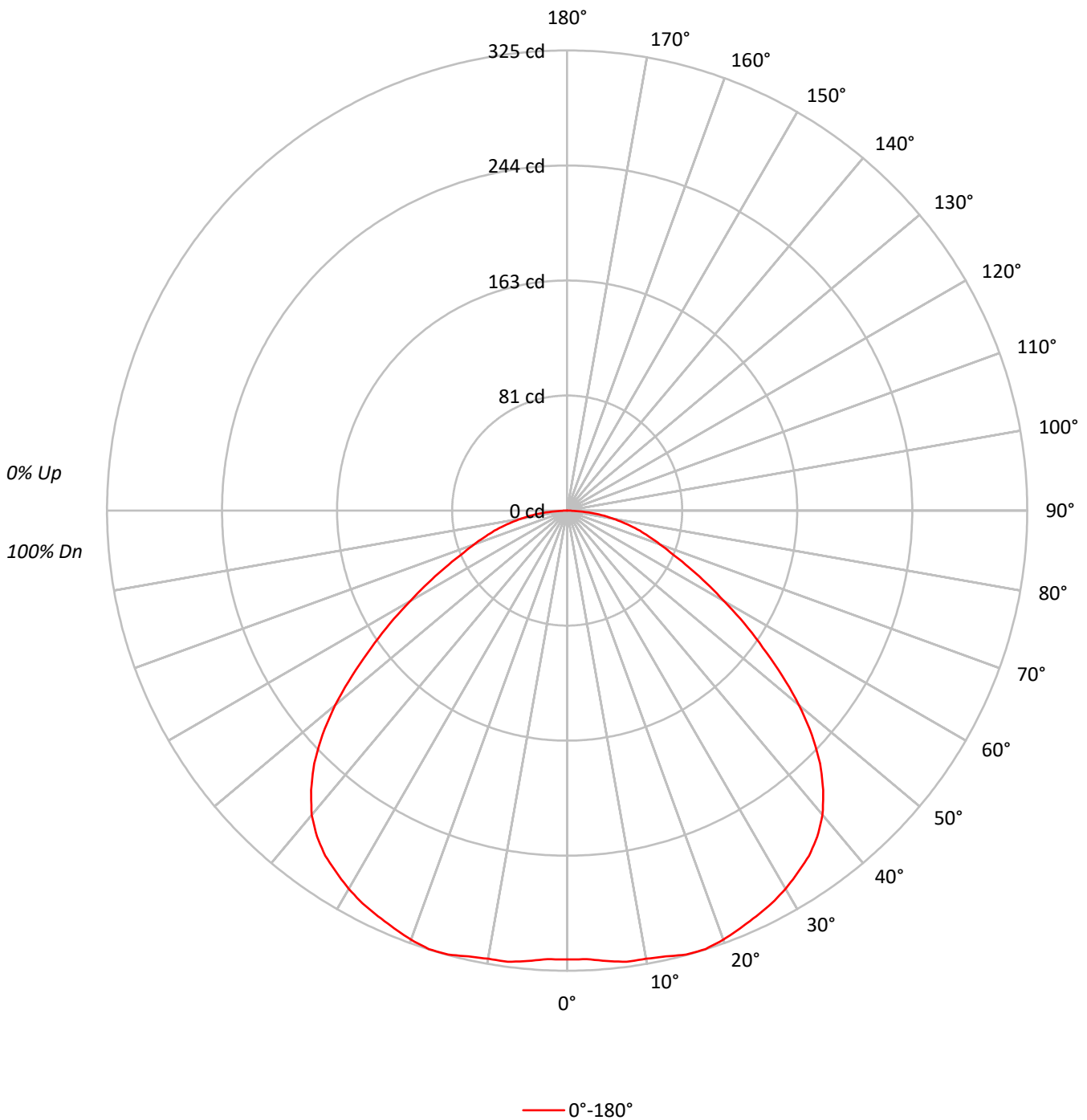
Lumens per Lamp: N/A
Luminaire Lumens: 965.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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	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	66	63	60
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	30	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25032
5°	25302
10°	25763
15°	26536
20°	27092
25°	27533
30°	28121
35°	28699
40°	28916
45°	28200
50°	26269
55°	23232
60°	20193
65°	17670
70°	16133
75°	15738
80°	15138
85°	13677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	3.2
10°-20°	91.7	9.5
20°-30°	146.0	15.1
30°-40°	185.9	19.3
40°-50°	193.3	20.0
50°-60°	151.7	15.7
60°-70°	95.1	9.9
70°-80°	54.2	5.6
80°-90°	16.5	1.7
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°	268.3	27.8
0°-40°	454.2	47.1
0°-60°	799.2	82.8
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	317	
5°	319	31
15°	325	92
25°	316	146
35°	298	186
45°	253	193
55°	169	152
65°	95	95
75°	52	54
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	317.1
2.5°	317.1
5°	319.3
7.5°	321.4
10°	321.4
12.5°	322.5
15°	324.7
17.5°	324.7
20°	322.5
22.5°	319.3
25°	316.1
27.5°	312.8
30°	308.5
32.5°	303.2
35°	297.8
37.5°	290.3
40°	280.6
42.5°	267.7
45°	252.6
47.5°	234.4
50°	213.9
52.5°	191.4
55°	168.8
57.5°	148.4
60°	127.9
62.5°	110.7
65°	94.6
67.5°	80.6
70°	69.9
72.5°	60.2
75°	51.6
77.5°	41.9
80°	33.3
82.5°	24.7
85°	15.1
87.5°	4.3
90°	0.0

(END OF REPORT)