

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: P177855

Luminaire Tested: **SLD612940WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177855
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: SLD612940WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

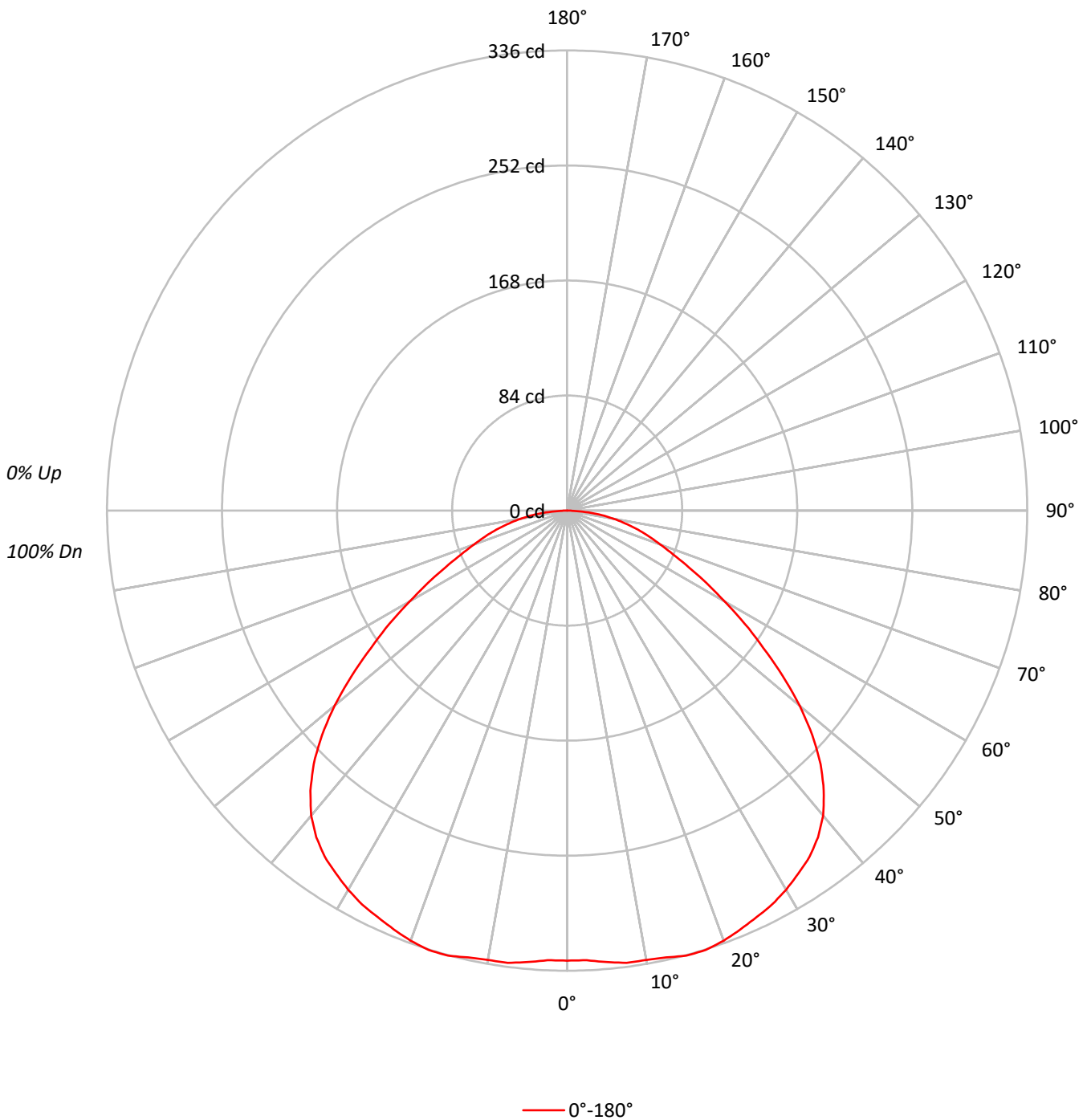
Lumens per Lamp: N/A
Luminaire Lumens: 1000.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	25940
5°	26221
10°	26701
15°	27493
20°	28075
25°	28526
30°	29142
35°	29739
40°	29967
45°	29227
50°	27227
55°	24071
60°	20935
65°	18305
70°	16710
75°	16318
80°	15684
85°	14130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	3.2
10°-20°	95.0	9.5
20°-30°	151.3	15.1
30°-40°	192.6	19.3
40°-50°	200.3	20.0
50°-60°	157.1	15.7
60°-70°	98.6	9.9
70°-80°	56.1	5.6
80°-90°	17.1	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°	278.1	27.8
0°-40°	470.7	47.1
0°-60°	828.2	82.8
0°-90°	1000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	329	
5°	331	32
15°	336	95
25°	328	151
35°	309	193
45°	262	200
55°	175	157
65°	98	99
75°	54	56
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	328.6
2.5°	328.6
5°	330.9
7.5°	333.1
10°	333.1
12.5°	334.2
15°	336.4
17.5°	336.4
20°	334.2
22.5°	330.9
25°	327.5
27.5°	324.2
30°	319.7
32.5°	314.2
35°	308.6
37.5°	300.8
40°	290.8
42.5°	277.4
45°	261.8
47.5°	242.9
50°	221.7
52.5°	198.3
55°	174.9
57.5°	153.7
60°	132.6
62.5°	114.7
65°	98.0
67.5°	83.6
70°	72.4
72.5°	62.4
75°	53.5
77.5°	43.4
80°	34.5
82.5°	25.6
85°	15.6
87.5°	4.5
90°	0.0

(END OF REPORT)