

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: P177852

Luminaire Tested: **SLD612927WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177852
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: SLD612927WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

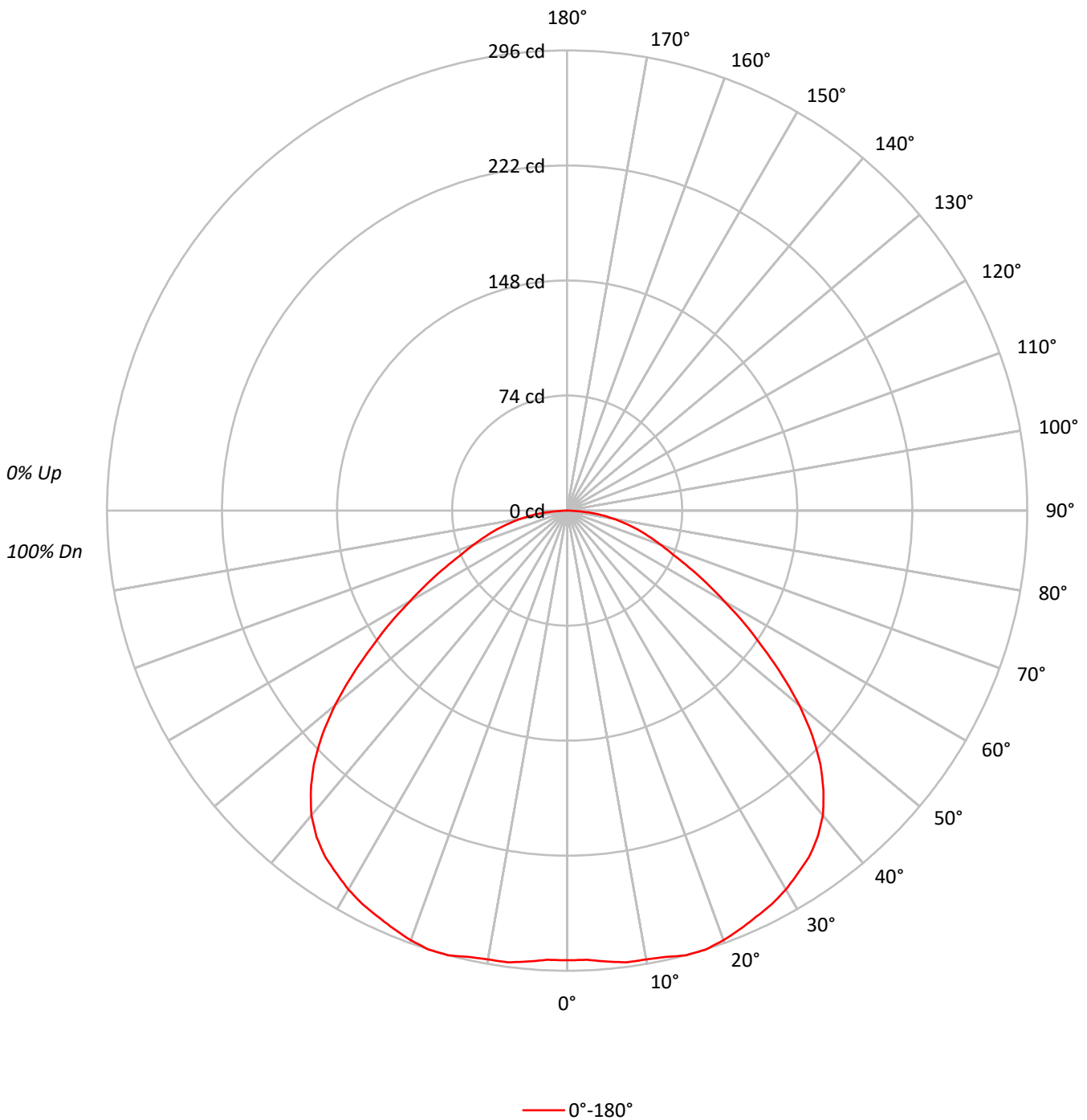
Lumens per Lamp: N/A
Luminaire Lumens: 880.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	22830
5°	23075
10°	23495
15°	24199
20°	24707
25°	25103
30°	25650
35°	26174
40°	26371
45°	25722
50°	23960
55°	21181
60°	18425
65°	16120
70°	14702
75°	14366
80°	13820
85°	12409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	3.2
10°-20°	83.6	9.5
20°-30°	133.2	15.1
30°-40°	169.5	19.3
40°-50°	176.3	20.0
50°-60°	138.3	15.7
60°-70°	86.8	9.9
70°-80°	49.4	5.6
80°-90°	15.0	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°	244.7	27.8
0°-40°	414.3	47.1
0°-60°	728.8	82.8
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	289	
5°	291	28
15°	296	84
25°	288	133
35°	272	170
45°	230	176
55°	154	138
65°	86	87
75°	47	49
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	289.2
2.5°	289.2
5°	291.2
7.5°	293.1
10°	293.1
12.5°	294.1
15°	296.1
17.5°	296.1
20°	294.1
22.5°	291.2
25°	288.2
27.5°	285.3
30°	281.4
32.5°	276.5
35°	271.6
37.5°	264.7
40°	255.9
42.5°	244.1
45°	230.4
47.5°	213.7
50°	195.1
52.5°	174.5
55°	153.9
57.5°	135.3
60°	116.7
62.5°	101.0
65°	86.3
67.5°	73.5
70°	63.7
72.5°	54.9
75°	47.1
77.5°	38.2
80°	30.4
82.5°	22.5
85°	13.7
87.5°	3.9
90°	0.0

(END OF REPORT)