

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: P177849

Luminaire Tested: **SLD612830WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177849
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: SLD612830WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

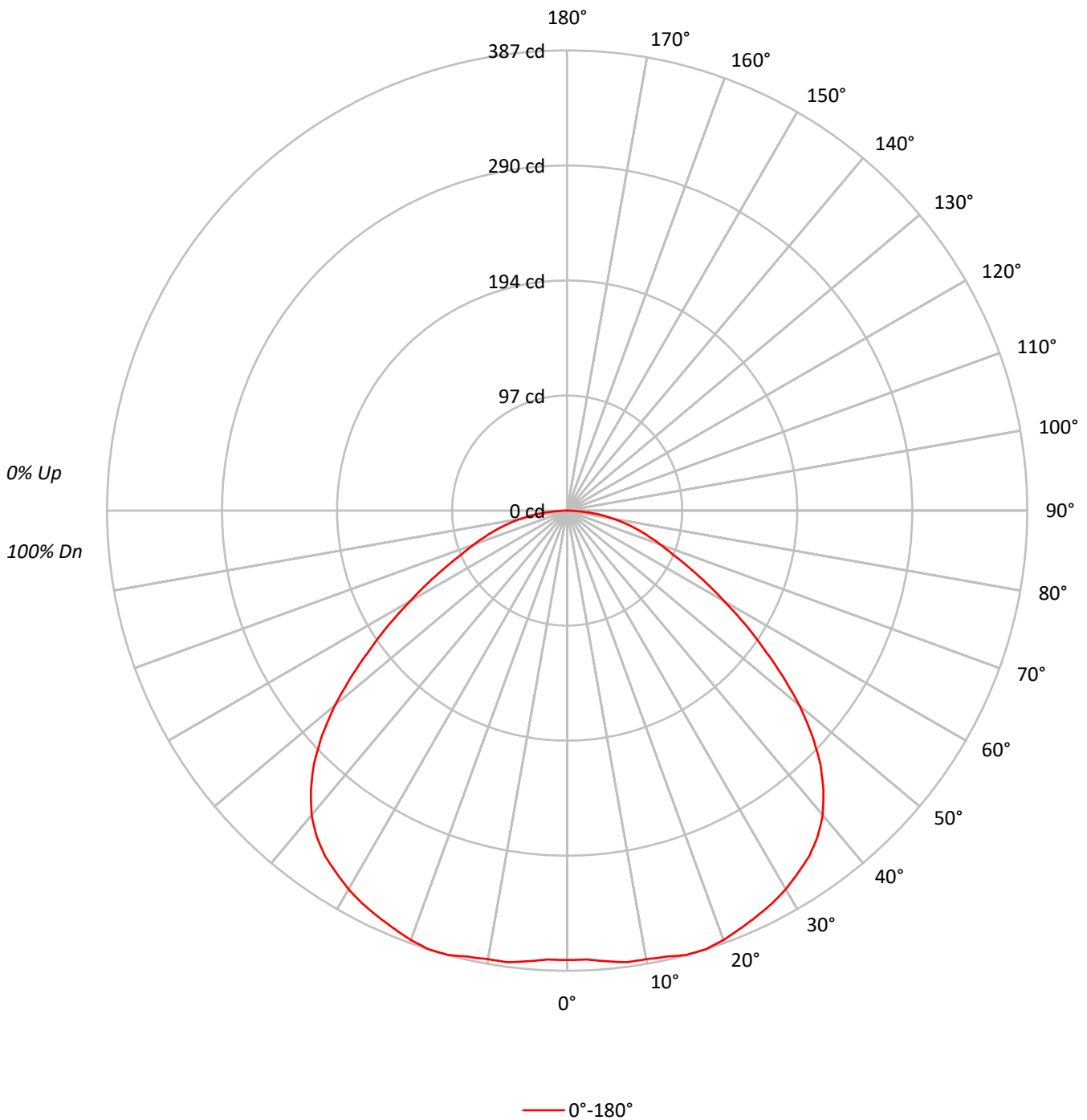
Lumens per Lamp: N/A
Luminaire Lumens: 1150.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	29832
5°	30152
10°	30709
15°	31620
20°	32284
25°	32811
30°	33517
35°	34201
40°	34460
45°	33615
50°	31317
55°	27677
60°	24077
65°	21051
70°	19226
75°	18758
80°	18048
85°	16213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	3.2
10°-20°	109.3	9.5
20°-30°	174.1	15.1
30°-40°	221.5	19.3
40°-50°	230.4	20.0
50°-60°	180.7	15.7
60°-70°	113.4	9.9
70°-80°	64.5	5.6
80°-90°	19.7	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°	319.8	27.8
0°-40°	541.3	47.1
0°-60°	952.4	82.8
0°-90°	1150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1150.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	378	
5°	380	36
15°	387	109
25°	377	174
35°	355	222
45°	301	230
55°	201	181
65°	113	113
75°	62	65
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	377.9
2.5°	377.9
5°	380.5
7.5°	383.1
10°	383.1
12.5°	384.3
15°	386.9
17.5°	386.9
20°	384.3
22.5°	380.5
25°	376.7
27.5°	372.8
30°	367.7
32.5°	361.3
35°	354.9
37.5°	345.9
40°	334.4
42.5°	319.0
45°	301.1
47.5°	279.3
50°	255.0
52.5°	228.0
55°	201.1
57.5°	176.8
60°	152.5
62.5°	132.0
65°	112.7
67.5°	96.1
70°	83.3
72.5°	71.7
75°	61.5
77.5°	50.0
80°	39.7
82.5°	29.5
85°	17.9
87.5°	5.1
90°	0.0

(END OF REPORT)