

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: P177850

Luminaire Tested: **SLD612835WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177850
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: SLD612835WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

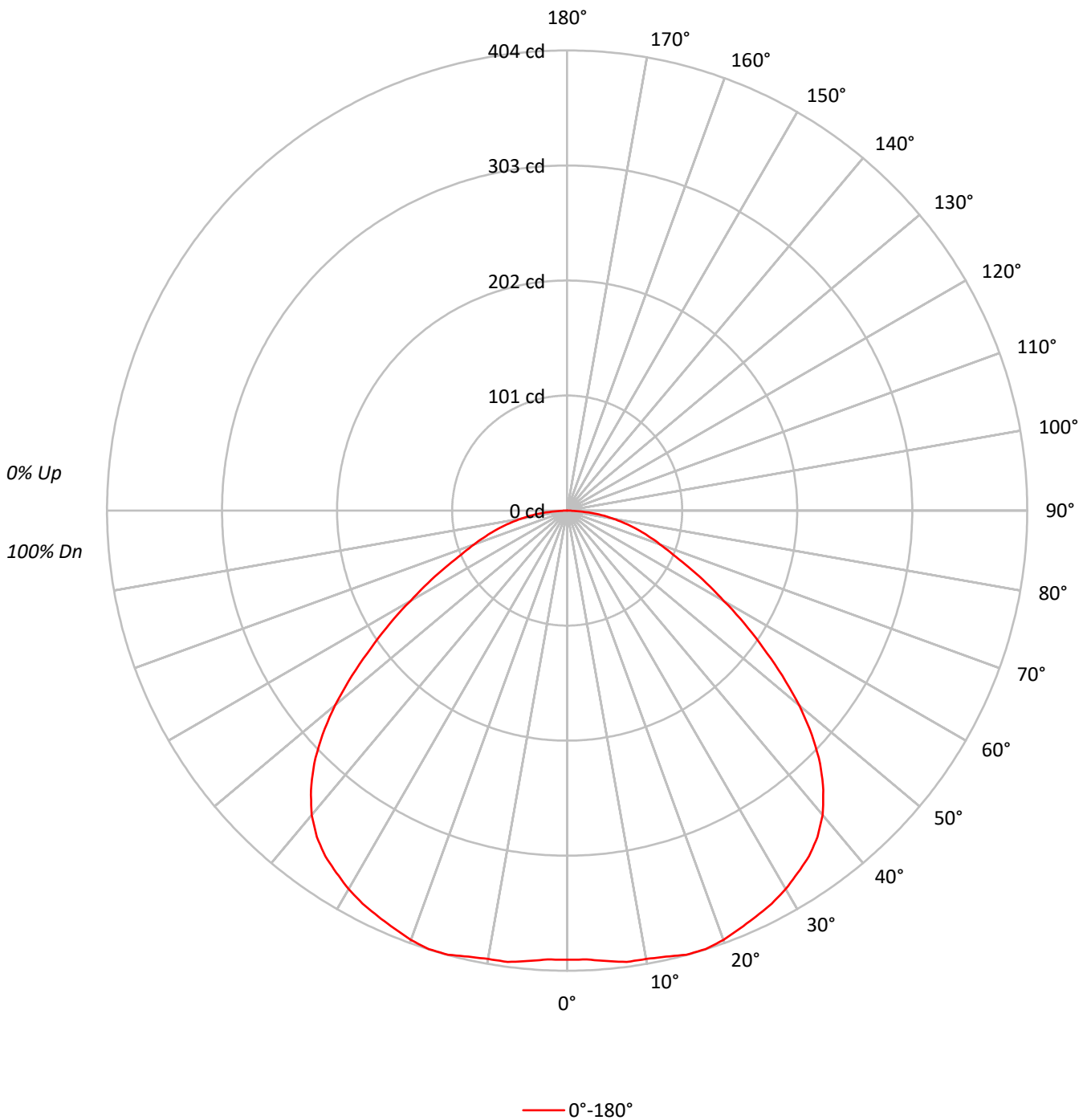
Lumens per Lamp: N/A
Luminaire Lumens: 1200.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	31134
5°	31459
10°	32039
15°	32993
20°	33695
25°	34231
30°	34975
35°	35685
40°	35954
45°	35077
50°	32668
55°	28888
60°	25119
65°	21967
70°	20057
75°	19581
80°	18821
85°	16937



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	3.2
10°-20°	114.1	9.5
20°-30°	181.6	15.1
30°-40°	231.2	19.3
40°-50°	240.4	20.0
50°-60°	188.6	15.7
60°-70°	118.3	9.9
70°-80°	67.4	5.6
80°-90°	20.5	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°	333.7	27.8
0°-40°	564.9	47.1
0°-60°	993.8	82.8
0°-90°	1200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	394	
5°	397	38
15°	404	114
25°	393	182
35°	370	231
45°	314	240
55°	210	189
65°	118	118
75°	64	67
85°	19	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	394.4
2.5°	394.4
5°	397.0
7.5°	399.7
10°	399.7
12.5°	401.1
15°	403.7
17.5°	403.7
20°	401.1
22.5°	397.0
25°	393.0
27.5°	389.0
30°	383.7
32.5°	377.0
35°	370.3
37.5°	361.0
40°	348.9
42.5°	332.9
45°	314.2
47.5°	291.4
50°	266.0
52.5°	238.0
55°	209.9
57.5°	184.5
60°	159.1
62.5°	137.7
65°	117.6
67.5°	100.3
70°	86.9
72.5°	74.9
75°	64.2
77.5°	52.1
80°	41.4
82.5°	30.7
85°	18.7
87.5°	5.3
90°	0.0

(END OF REPORT)