

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: P177853

Luminaire Tested: **SLD612930WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177853
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: SLD612930WH
Description: HALO 6 INCH SURFACE LED DOWNLIGHT
Light Source: LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

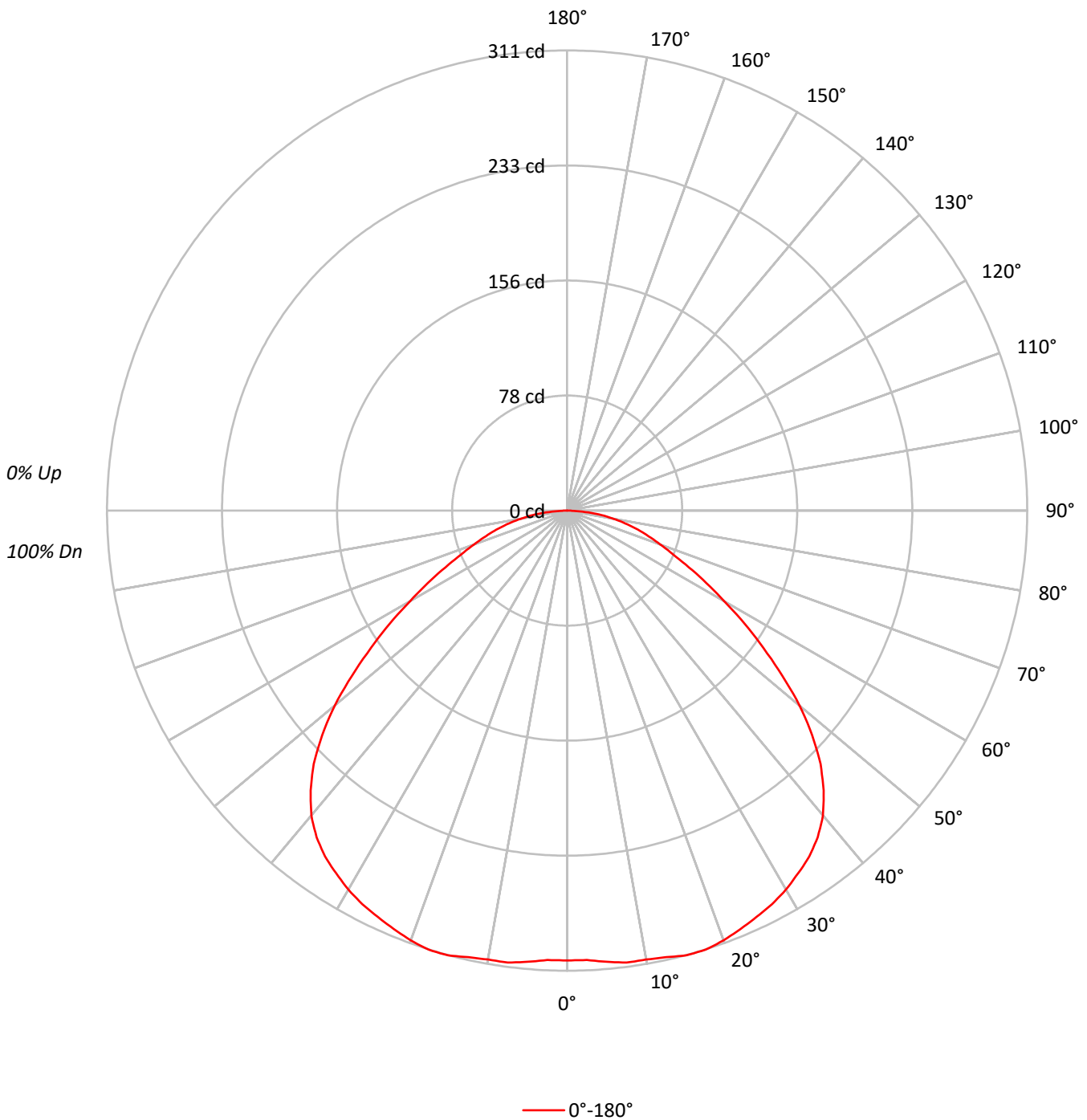
Lumens per Lamp: N/A
Luminaire Lumens: 925.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 1.44 / 1.49
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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°	23998
5°	24256
10°	24697
15°	25433
20°	25967
25°	26392
30°	26963
35°	27504
40°	27720
45°	27039
50°	25188
55°	22268
60°	19356
65°	16942
70°	15464
75°	15098
80°	14502
85°	13043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	3.2
10°-20°	87.9	9.5
20°-30°	140.0	15.1
30°-40°	178.2	19.3
40°-50°	185.3	20.0
50°-60°	145.4	15.7
60°-70°	91.2	9.9
70°-80°	51.9	5.6
80°-90°	15.8	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°	257.2	27.8
0°-40°	435.4	47.1
0°-60°	766.1	82.8
0°-90°	925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	304	
5°	306	29
15°	311	88
25°	303	140
35°	285	178
45°	242	185
55°	162	145
65°	91	91
75°	50	52
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	304.0
2.5°	304.0
5°	306.1
7.5°	308.1
10°	308.1
12.5°	309.1
15°	311.2
17.5°	311.2
20°	309.1
22.5°	306.1
25°	303.0
27.5°	299.9
30°	295.8
32.5°	290.6
35°	285.4
37.5°	278.2
40°	269.0
42.5°	256.6
45°	242.2
47.5°	224.6
50°	205.1
52.5°	183.4
55°	161.8
57.5°	142.2
60°	122.6
62.5°	106.1
65°	90.7
67.5°	77.3
70°	67.0
72.5°	57.7
75°	49.5
77.5°	40.2
80°	31.9
82.5°	23.7
85°	14.4
87.5°	4.1
90°	0.0

(END OF REPORT)