

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: P184316

Luminaire Tested: **L80808FL9030P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9030P
Description: HALO TRACK L LED 08, 850 LM, FLOOD, WHITE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 945.3 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

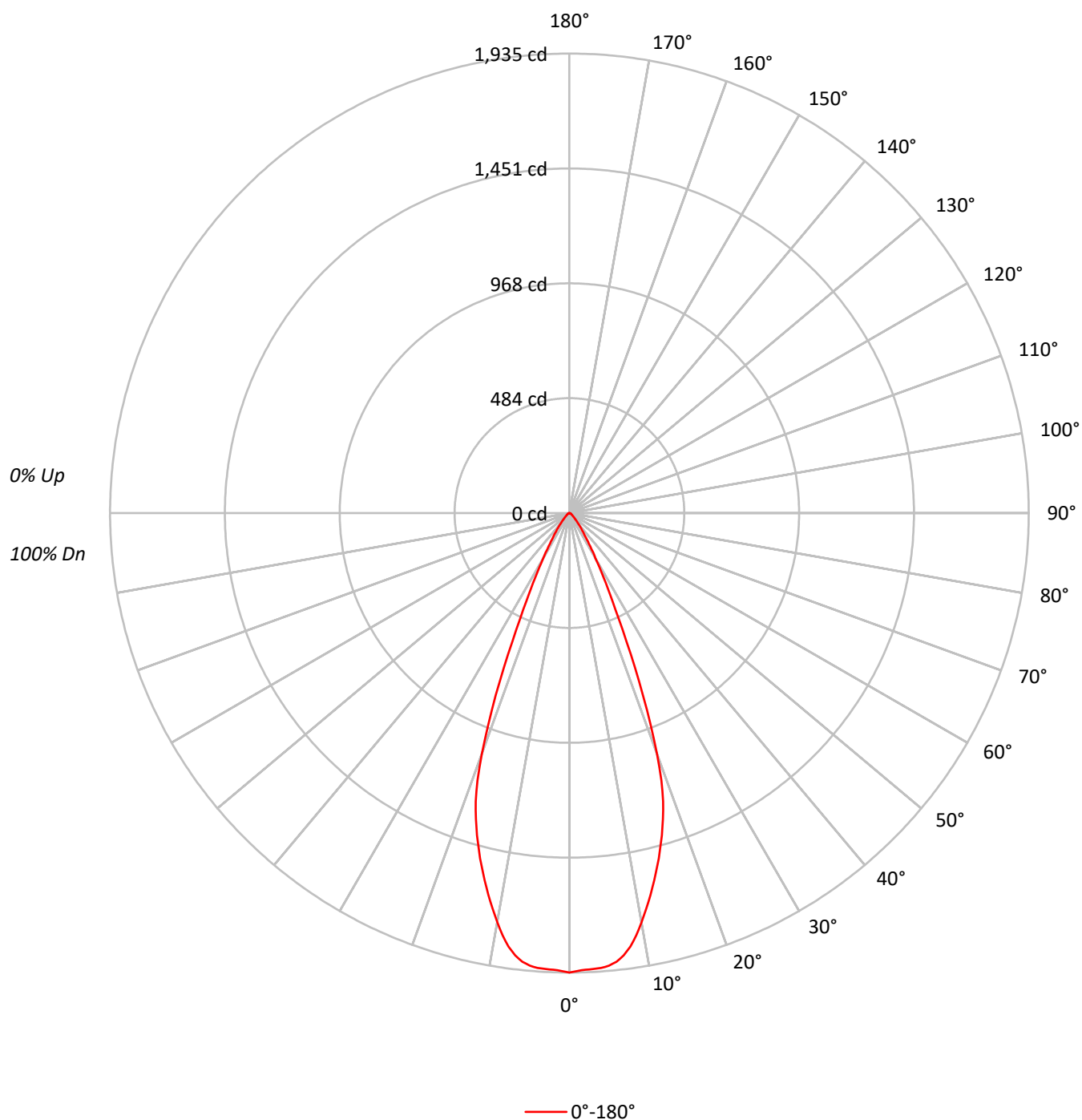
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95					95			
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81					81			
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77					77			
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74					74			
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70					70			
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67					67			
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65					65			
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62					62			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	424308
5°	421086
10°	389349
15°	334236
20°	251999
25°	118289
30°	55806
35°	28750
40°	16001
45°	9179
50°	5970
55°	4205
60°	3377
65°	3424
70°	3526
75°	2796
80°	2778
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	18.8
10°-20°	403.4	42.7
20°-30°	245.1	25.9
30°-40°	72.6	7.7
40°-50°	24.8	2.6
50°-60°	10.6	1.1
60°-70°	6.5	0.7
70°-80°	3.9	0.4
80°-90°	0.6	0.1
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°	826.2	87.4
0°-40°	898.8	95.1
0°-60°	934.2	98.8
0°-90°	945.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1935	
5°	1913	178
15°	1472	403
25°	489	245
35°	107	73
45°	30	25
55°	11	11
65°	7	7
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1935.0
1°	1928.4
2°	1924.0
3°	1922.9
4°	1920.7
5°	1913.0
6°	1899.9
7°	1876.9
8°	1844.0
9°	1800.1
10°	1748.6
11°	1697.1
12°	1642.3
13°	1587.4
14°	1531.5
15°	1472.3
16°	1412.0
17°	1347.4
18°	1277.2
19°	1190.6
20°	1079.9
21°	954.9
22°	827.7
23°	707.1
24°	592.0
25°	488.9
26°	414.4
27°	358.5
28°	308.1
29°	262.0
30°	220.4
32.5°	152.4
35°	107.4
37.5°	76.7
40°	55.9
42.5°	40.6
45°	29.6
47.5°	23.0
50°	17.5
52.5°	14.3
55°	11.0
57.5°	9.9
60°	7.7
62.5°	7.7
65°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.5
70°	5.5
72.5°	4.4
75°	3.3
77.5°	3.3
80°	2.2
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)