

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: P184048

Luminaire Tested: **L80825NF9030P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27004)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9030P
Description: HALO TRACK LL LED 08, 2500 LM, NARROW FLOOD, 90 CRI, 2700K, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2272.3 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.45
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

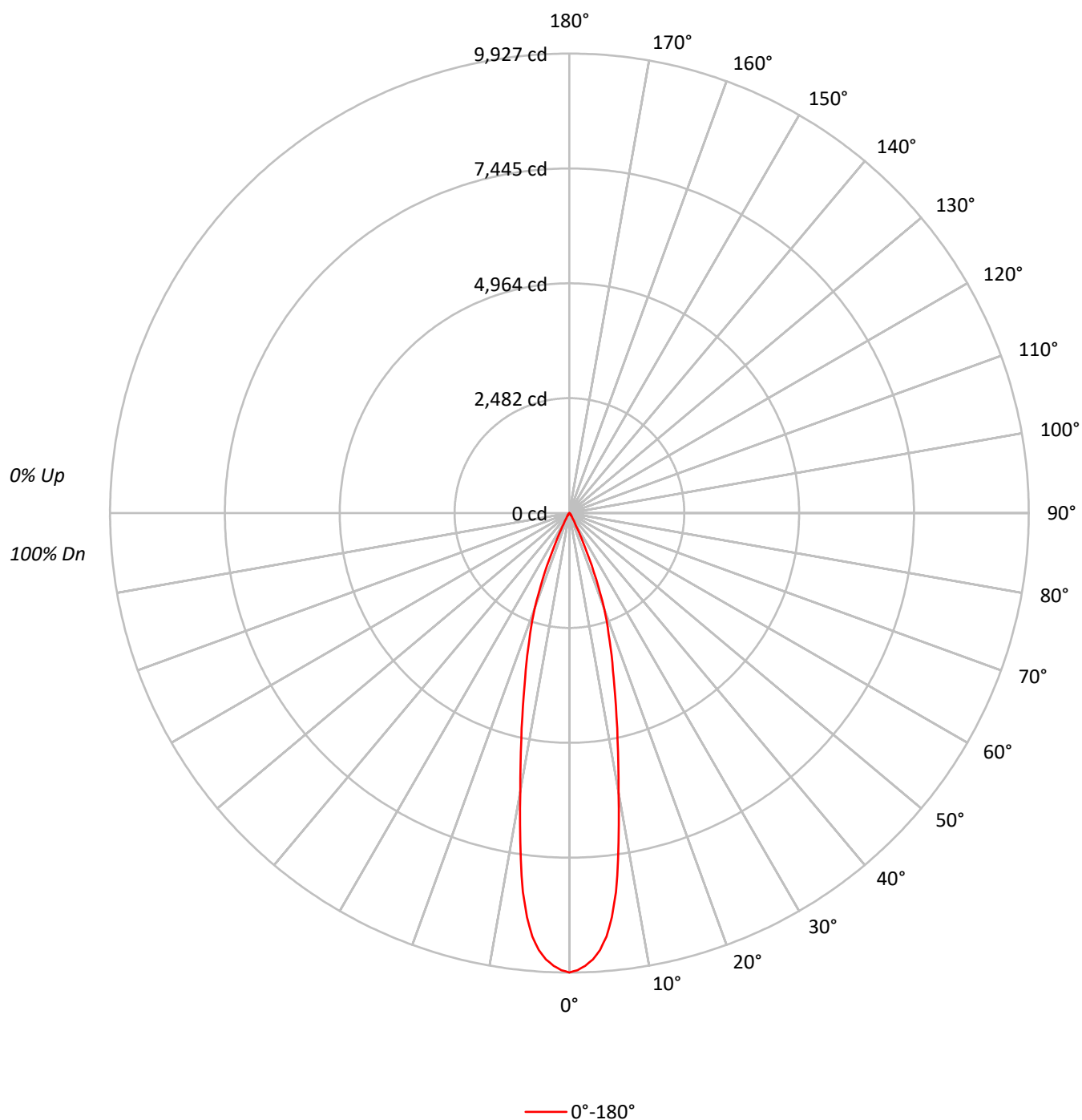
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80825NF9030P

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			
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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93		
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	91	90		
4	104	99	95	92	103	98	94	91	96	93	90	94	92	89	92	90	88	87		
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	85		
6	98	92	88	85	97	91	87	85	90	87	84	89	86	84	88	85	83	82		
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80		
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77		
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75		
10	88	81	77	75	87	81	77	75	80	77	75	80	77	74	79	76	74	73		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1224477
5°	1137307
10°	766746
15°	470729
20°	288277
25°	91226
30°	23130
35°	9622
40°	5587
45°	3785
50°	2706
55°	2086
60°	1603
65°	1255
70°	1154
75°	1048
80°	781
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.3	34.1
10°-20°	1036.9	45.6
20°-30°	381.3	16.8
30°-40°	46.2	2.0
40°-50°	17.3	0.8
50°-60°	8.8	0.4
60°-70°	4.4	0.2
70°-80°	2.0	0.1
80°-90°	0.1	0.0
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°	2193.5	96.5
0°-40°	2239.7	98.6
0°-60°	2265.8	99.7
0°-90°	2272.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2272.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9927	
5°	9185	775
15°	3686	1037
25°	670	381
35°	64	46
45°	22	17
55°	10	9
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9927.2
1°	9876.3
2°	9787.5
3°	9657.5
4°	9463.7
5°	9185.4
6°	8780.4
7°	8247.6
8°	7561.0
9°	6815.9
10°	6121.8
11°	5524.0
12°	5006.4
13°	4523.4
14°	4081.5
15°	3686.3
17.5°	2880.6
20°	2196.2
22.5°	1376.4
25°	670.3
27.5°	311.9
30°	162.4
32.5°	94.2
35°	63.9
37.5°	46.6
40°	34.7
42.5°	27.1
45°	21.7
47.5°	17.3
50°	14.1
52.5°	11.9
55°	9.7
57.5°	7.6
60°	6.5
62.5°	5.4
65°	4.3
67.5°	3.2
70°	3.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)