

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: SURE-LITES

Report Number: P27973

Luminaire Tested: **XR6C**

Test Date: 06/09/16

Test Information

Test Method: LM-79-08
Report Number: P27973
Test Lab: INNOVATION CENTER(G2)
Test Date: 06/09/16
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: XR6C
Description: XR6C LED EMERGENCY LIGHT HEAD WITH NEW 65ft LENS
Light Source: (1) SAMSUNG 5000K LED
LH351B
Ballast/Driver: (1) AGILENT DC POWER SUPPLY
IN0011

Summary

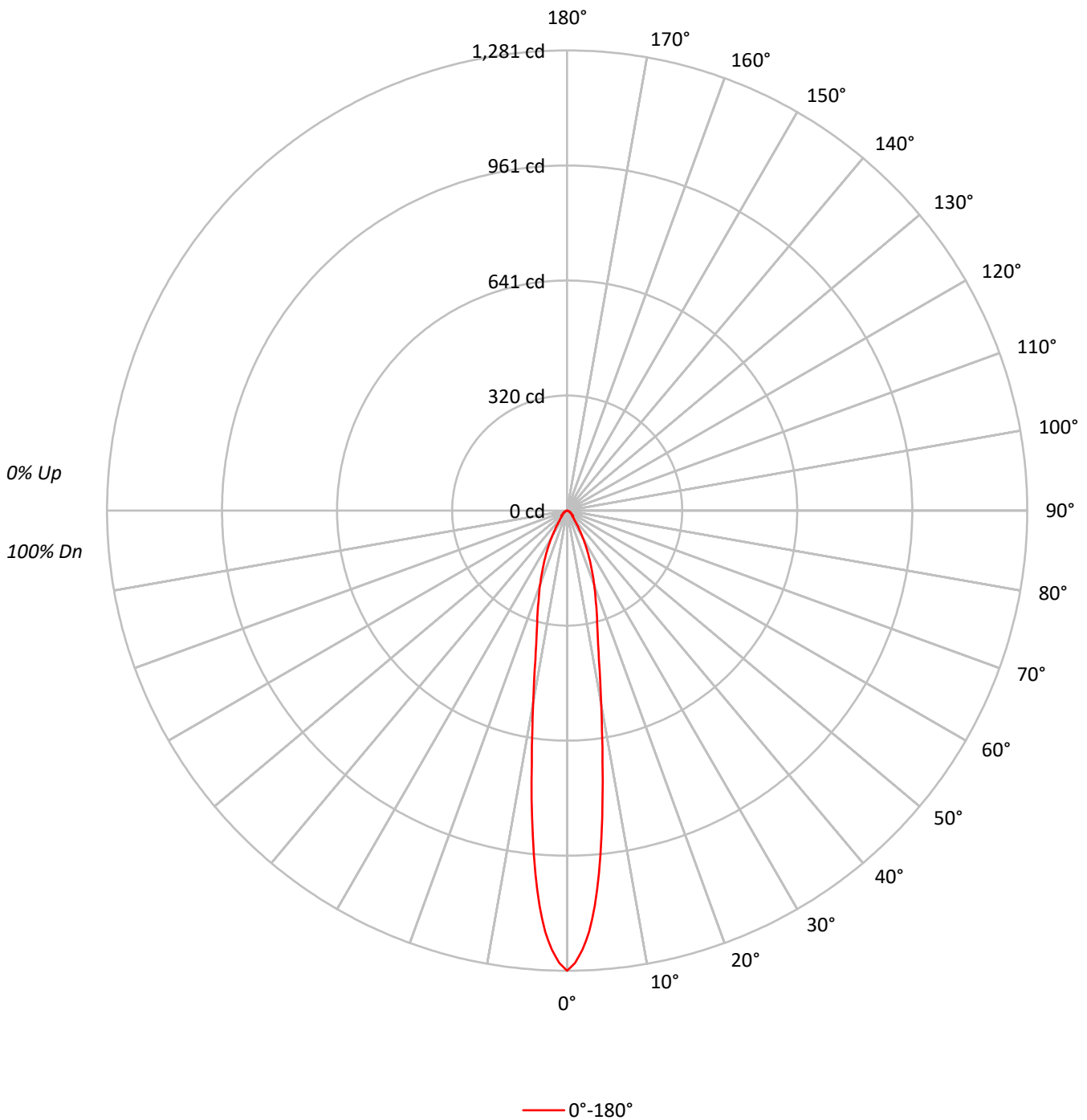
Lumens per Lamp: N/A
Luminaire Lumens: 309.4 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.35
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.84
Input Voltage (V): 4.80
Input Current (Ain): 0.800
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): N/A
Frequency (hertz): DC
Stabilization Time: 0.5 HR
Operation Time: 1 HR
Ambient Temperature (°C): 24.3;
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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89	86	84	83
4	99	92	87	83	97	91	86	82	89	85	82		87	83	81		85	82	80	78
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		81	78	76	74
6	91	83	77	74	90	82	77	73	81	76	73		79	75	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	67	74	70	66		73	69	66		72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70	66	63	62
10	78	70	65	61	77	69	64	61	69	64	61		68	64	61		67	63	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	280899
5°	223420
10°	121797
15°	73099
20°	51338
25°	35083
30°	22029
35°	12582
40°	8015
45°	5892
50°	6482
55°	4970
60°	4386
65°	3632
70°	2565
75°	1694
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	25.9
10°-20°	92.3	29.8
20°-30°	66.9	21.6
30°-40°	31.4	10.1
40°-50°	17.1	5.5
50°-60°	12.2	3.9
60°-70°	6.7	2.2
70°-80°	2.0	0.6
80°-90°	0.7	0.2
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°	239.5	77.4
0°-40°	270.9	87.5
0°-60°	300.1	97.0
0°-90°	309.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1281	
5°	1015	80
15°	322	92
25°	145	67
35°	47	31
45°	19	17
55°	13	12
65°	7	7
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1281
1°	1260
2°	1223
3°	1174
4°	1103
5°	1015
6°	912
7°	810
8°	709
9°	621
10°	547
11°	480
12°	425
13°	383
14°	350
15°	322
17.5°	266
20°	220
22.5°	181
25°	145
27.5°	114
30°	87
32.5°	65
35°	47
37.5°	35
40°	28
42.5°	23
45°	19
47.5°	23
50°	19
52.5°	15
55°	13
57.5°	12
60°	10
62.5°	8
65°	7
67.5°	5
70°	4
72.5°	2
75°	2
77.5°	1
80°	1
82.5°	1
85°	1
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)