

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: P27192

Luminaire Tested: **SRM30WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P27192
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SURE-LITES
Catalog Number: SRM30WH
Description: SURE LITES LED EMERGENCY HEAD SAMPLE 4
Light Source: (1) SAMSUNG 5000K LED
LH351B-5000K
Ballast/Driver: (1) AGILENT DC POWER SUPPLY ELECTRONIC DRIVER
INO212

Summary

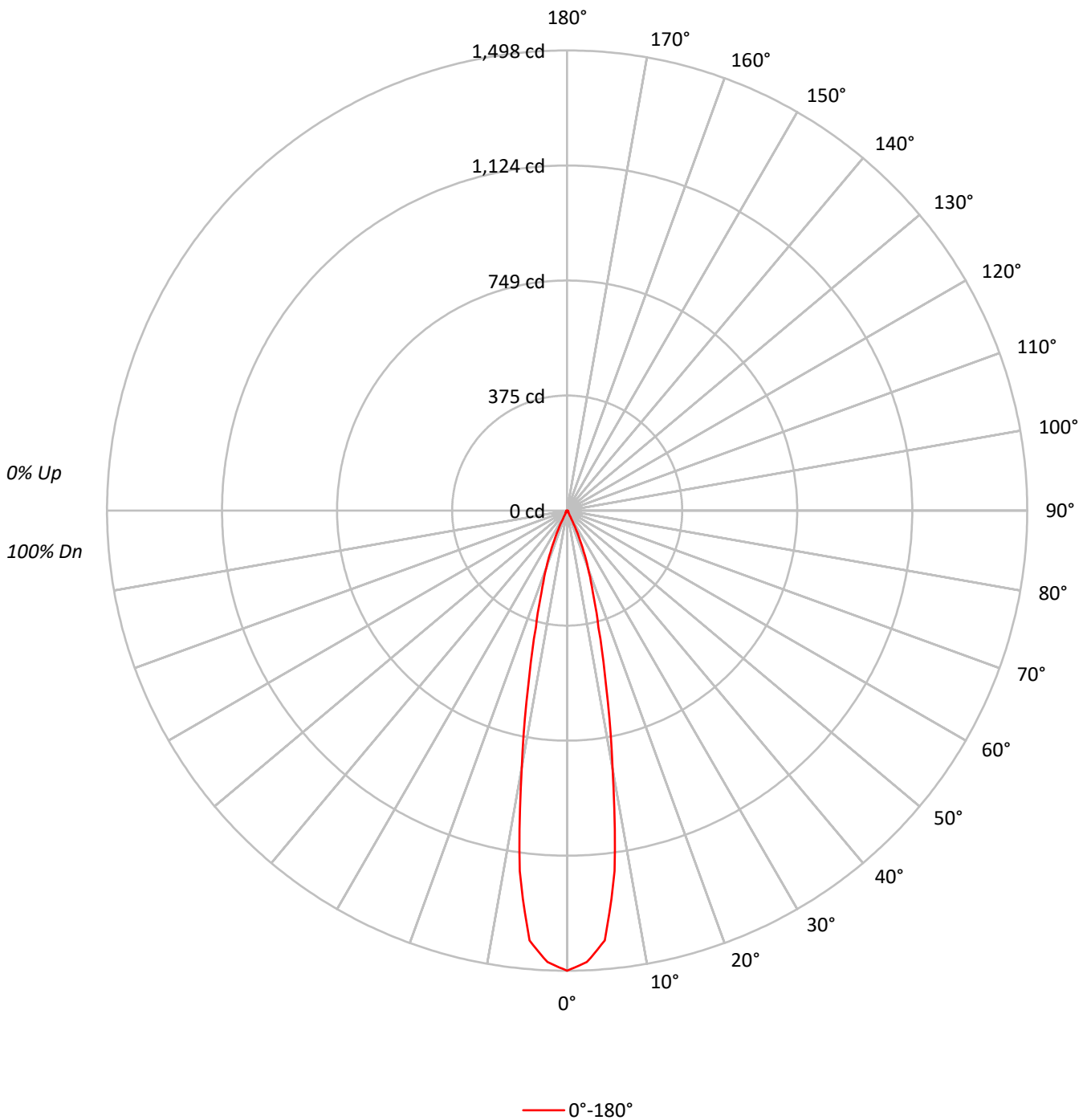
Lumens per Lamp: N/A
Luminaire Lumens: 283.5 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Circular (Dia: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 4.1
Input Voltage (V): NR
Input Current (A_{in}): 0.848
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): DC
Stabilization Time: NR
Operation Time: 1 HR
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							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10				
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100	100	100
1	115	113	111	109	112	111	109	107	107	105	104	104	103	102	101	101	100	99	98	98	96	96	96	96
2	111	107	104	102	109	106	103	101	103	100	98	98	100	98	96	96	97	96	94	94	93	93	93	93
3	107	103	99	96	106	101	98	95	99	96	94	94	97	94	93	93	95	93	91	91	90	90	90	90
4	104	99	95	92	103	98	94	91	96	93	90	90	94	91	89	89	92	90	88	88	87	87	87	87
5	101	95	91	88	100	95	91	88	93	90	87	87	91	89	86	86	90	88	86	86	85	85	85	85
6	99	92	88	85	97	92	88	85	90	87	84	84	89	86	84	84	88	85	83	83	82	82	82	82
7	96	90	86	83	95	89	85	82	88	85	82	82	87	84	82	82	86	83	81	81	80	80	80	80
8	94	87	83	80	93	87	83	80	86	82	80	80	85	82	80	80	84	81	79	79	78	78	78	78
9	91	85	81	78	91	84	81	78	84	80	78	78	83	80	78	78	82	80	77	77	77	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	76	81	78	76	76	81	78	76	76	75	75	75	75

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	145992
5°	137452
10°	83919
15°	39652
20°	20431
25°	7312
30°	1125
35°	714
40°	636
45°	689
50°	606
55°	680
60°	585
65°	461
70°	570
75°	1130
80°	561
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	40.8
10°-20°	116.7	41.2
20°-30°	35.0	12.3
30°-40°	4.1	1.5
40°-50°	3.6	1.3
50°-60°	3.2	1.1
60°-70°	2.3	0.8
70°-80°	2.8	1.0
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°	267.3	94.3
0°-40°	271.4	95.7
0°-60°	278.2	98.1
0°-90°	283.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1498	
5°	1405	116
15°	393	117
25°	68	35
35°	6	4
45°	5	4
55°	4	3
65°	2	2
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1498
2.5°	1471
5°	1405
7.5°	1184
10°	848
12.5°	584
15°	393
17.5°	277
20°	197
22.5°	132
25°	68
27.5°	22
30°	10
32.5°	7
35°	6
37.5°	6
40°	5
42.5°	5
45°	5
47.5°	4
50°	4
52.5°	4
55°	4
57.5°	3
60°	3
62.5°	3
65°	2
67.5°	2
70°	2
72.5°	3
75°	3
77.5°	3
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)