

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 COMMERCIAL

Report Number: P303318

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMMS 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSMMS 1000Lm3500K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.6 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

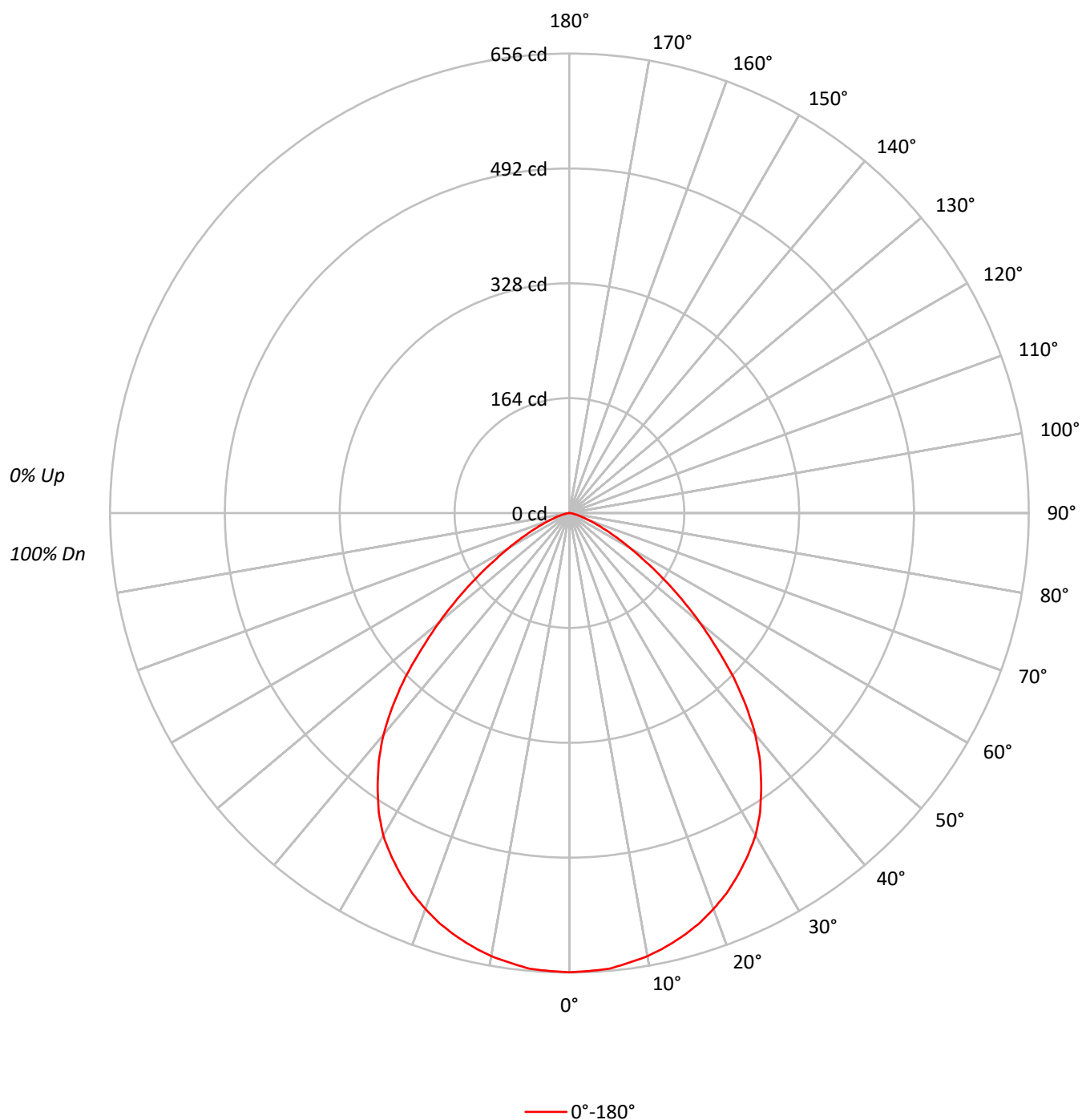
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	111	108	105	102	109	106	103	100	102	99	97		98	96	94		89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		79
3	96	87	81	75	94	86	80	75	83	78	74		80	76	72		69
4	89	79	72	66	87	78	71	66	75	69	65		73	68	64		61
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		54
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		49
7	72	60	52	47	70	59	52	46	58	51	46		56	50	46		44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42772
5°	42765
10°	42557
15°	42234
20°	41761
25°	41024
30°	40047
35°	38030
40°	35165
45°	30549
50°	24633
55°	18608
60°	13087
65°	8753
70°	5532
75°	3327
80°	1991
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	4.9
10°-20°	176.3	13.8
20°-30°	262.3	20.6
30°-40°	297.5	23.3
40°-50°	253.2	19.8
50°-60°	148.2	11.6
60°-70°	58.8	4.6
70°-80°	15.6	1.2
80°-90°	1.8	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°	500.6	39.2
0°-40°	798.1	62.6
0°-60°	1199.4	94.0
0°-90°	1275.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	656	
5°	653	62
15°	625	176
25°	570	262
35°	478	297
45°	331	253
55°	164	148
65°	57	59
75°	13	16
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	655.6
2.5°	654.3
5°	653.0
7.5°	647.7
10°	642.4
12.5°	634.5
15°	625.3
17.5°	614.7
20°	601.5
22.5°	587.0
25°	569.9
27.5°	551.4
30°	531.6
32.5°	506.6
35°	477.5
37.5°	447.2
40°	412.9
42.5°	373.3
45°	331.1
47.5°	284.9
50°	242.7
52.5°	201.8
55°	163.6
57.5°	129.3
60°	100.3
62.5°	76.5
65°	56.7
67.5°	40.9
70°	29.0
72.5°	21.1
75°	13.2
77.5°	7.9
80°	5.3
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)