

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: P303326

Luminaire Tested: **PR6FS12D010 PR6M12MD9FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303326
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 PR6M12MD9FSMMS 1500Lm3000K
Description: PR6 MEDIUM LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1242.0 lumens
Efficiency: N/A
Efficacy: 89.4 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

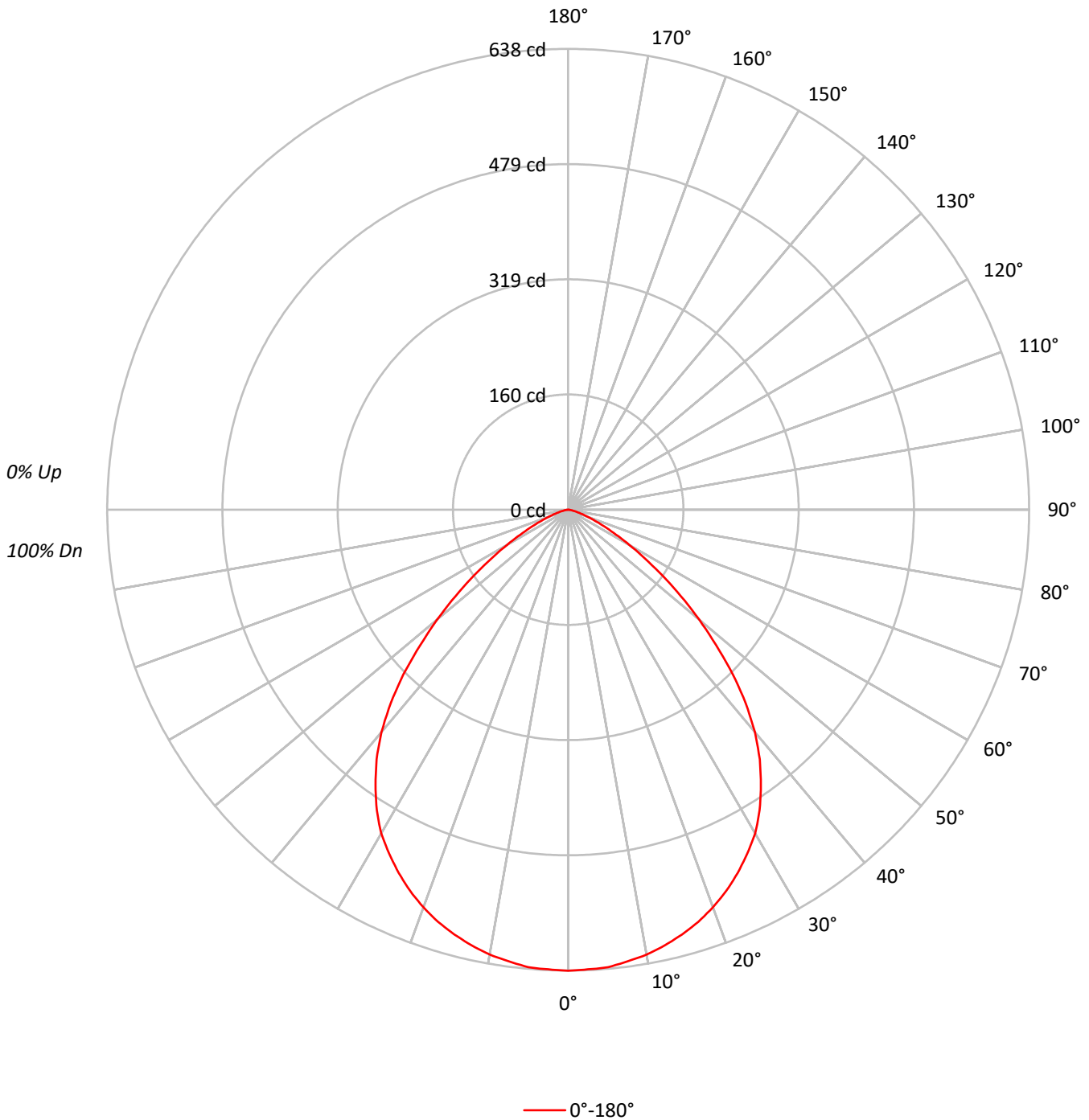
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	41643
5°	41638
10°	41438
15°	41120
20°	40664
25°	39937
30°	38993
35°	37027
40°	34237
45°	29746
50°	23984
55°	18119
60°	12735
65°	8521
70°	5398
75°	3227
80°	1916
85°	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	4.9
10°-20°	171.7	13.8
20°-30°	255.4	20.6
30°-40°	289.6	23.3
40°-50°	246.5	19.8
50°-60°	144.3	11.6
60°-70°	57.2	4.6
70°-80°	15.2	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°	487.4	39.2
0°-40°	777.0	62.6
0°-60°	1167.8	94.0
0°-90°	1242.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1242.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	638	
5°	636	60
15°	609	172
25°	555	255
35°	465	290
45°	322	247
55°	159	144
65°	55	57
75°	13	15
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	638.3
2.5°	637.0
5°	635.8
7.5°	630.6
10°	625.5
12.5°	617.8
15°	608.8
17.5°	598.5
20°	585.7
22.5°	571.5
25°	554.8
27.5°	536.9
30°	517.6
32.5°	493.2
35°	464.9
37.5°	435.4
40°	402.0
42.5°	363.5
45°	322.4
47.5°	277.4
50°	236.3
52.5°	196.5
55°	159.3
57.5°	125.9
60°	97.6
62.5°	74.5
65°	55.2
67.5°	39.8
70°	28.3
72.5°	20.5
75°	12.8
77.5°	7.7
80°	5.1
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)