

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: P303407

Luminaire Tested: **PR6FS12D010 PR6M12WD8FSMMS 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WD8FSMMS 1000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1112.8 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.27
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

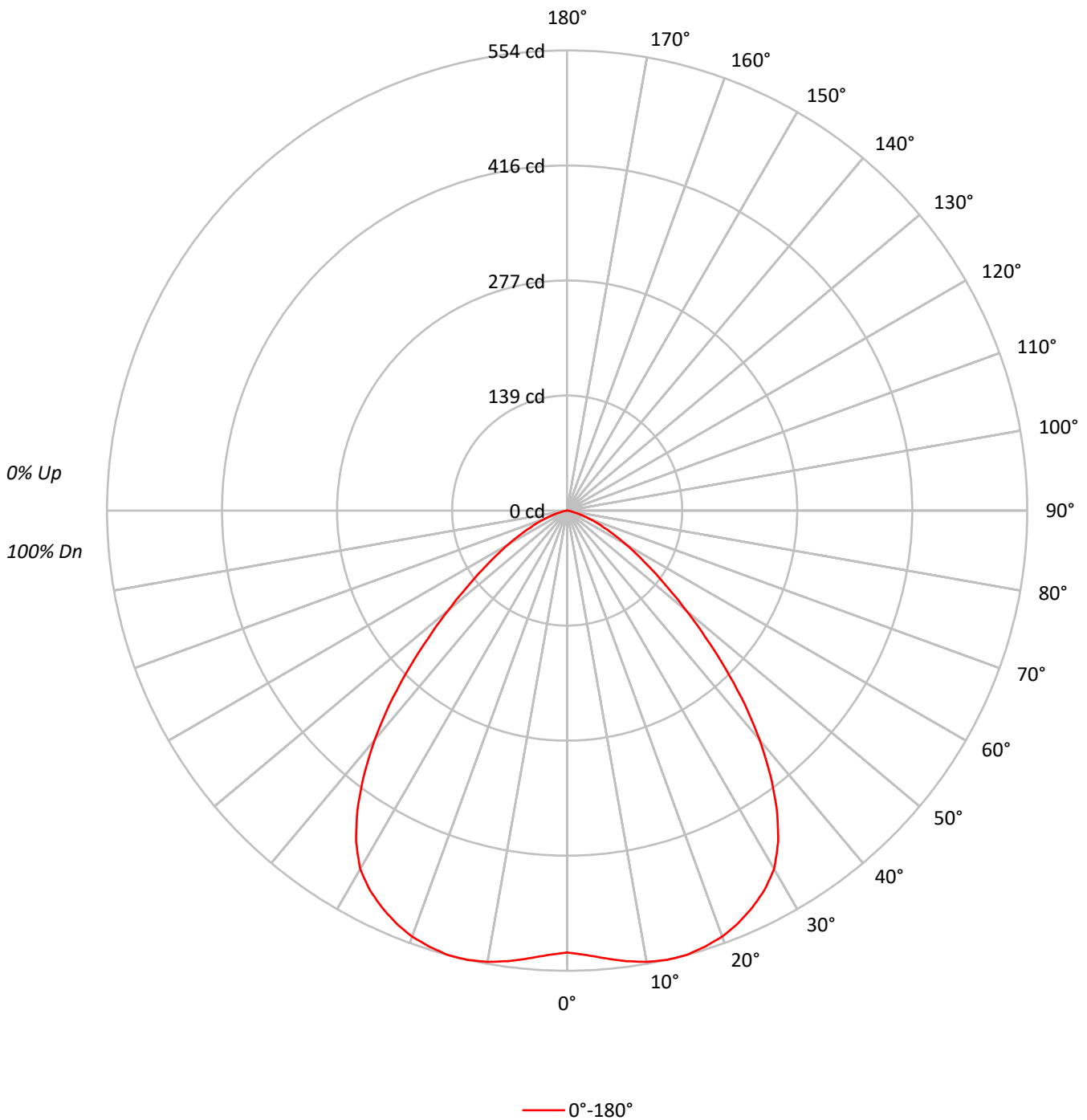
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	90
2	104	97	92	87	101	95	91	86	92	88	85		89	86	83		86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74		81	77	73		78	75	72	70
4	89	79	72	67	87	78	71	66	76	70	65		74	69	65		72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66	61	57	55
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47		57	51	47		56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43		53	47	42		51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39		49	43	39		48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	36		45	40	35		45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34708
5°	35450
10°	36549
15°	37418
20°	37901
25°	37965
30°	37546
35°	35083
40°	30702
45°	24921
50°	18939
55°	14241
60°	10739
65°	7688
70°	5303
75°	2924
80°	1315
85°	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	4.7
10°-20°	156.3	14.0
20°-30°	242.6	21.8
30°-40°	272.4	24.5
40°-50°	208.4	18.7
50°-60°	114.5	10.3
60°-70°	51.3	4.6
70°-80°	13.9	1.2
80°-90°	1.4	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°	450.9	40.5
0°-40°	723.3	65.0
0°-60°	1046.2	94.0
0°-90°	1112.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	532	
5°	541	52
15°	554	156
25°	527	243
35°	440	272
45°	270	208
55°	125	115
65°	50	51
75°	12	14
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	532.0
2.5°	535.5
5°	541.3
7.5°	547.1
10°	551.7
12.5°	554.0
15°	554.0
17.5°	550.6
20°	545.9
22.5°	537.8
25°	527.4
27.5°	514.6
30°	498.4
32.5°	472.9
35°	440.5
37.5°	402.2
40°	360.5
42.5°	316.4
45°	270.1
47.5°	226.0
50°	186.6
52.5°	153.0
55°	125.2
57.5°	102.0
60°	82.3
62.5°	64.9
65°	49.8
67.5°	38.3
70°	27.8
72.5°	18.5
75°	11.6
77.5°	7.0
80°	3.5
82.5°	2.3
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)