

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: P303506

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW9FSMMS 1500lm3000K
Description: PR6 WALLWASH ASSEMBLY 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: 1015.8 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 1.13 / 1.11
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

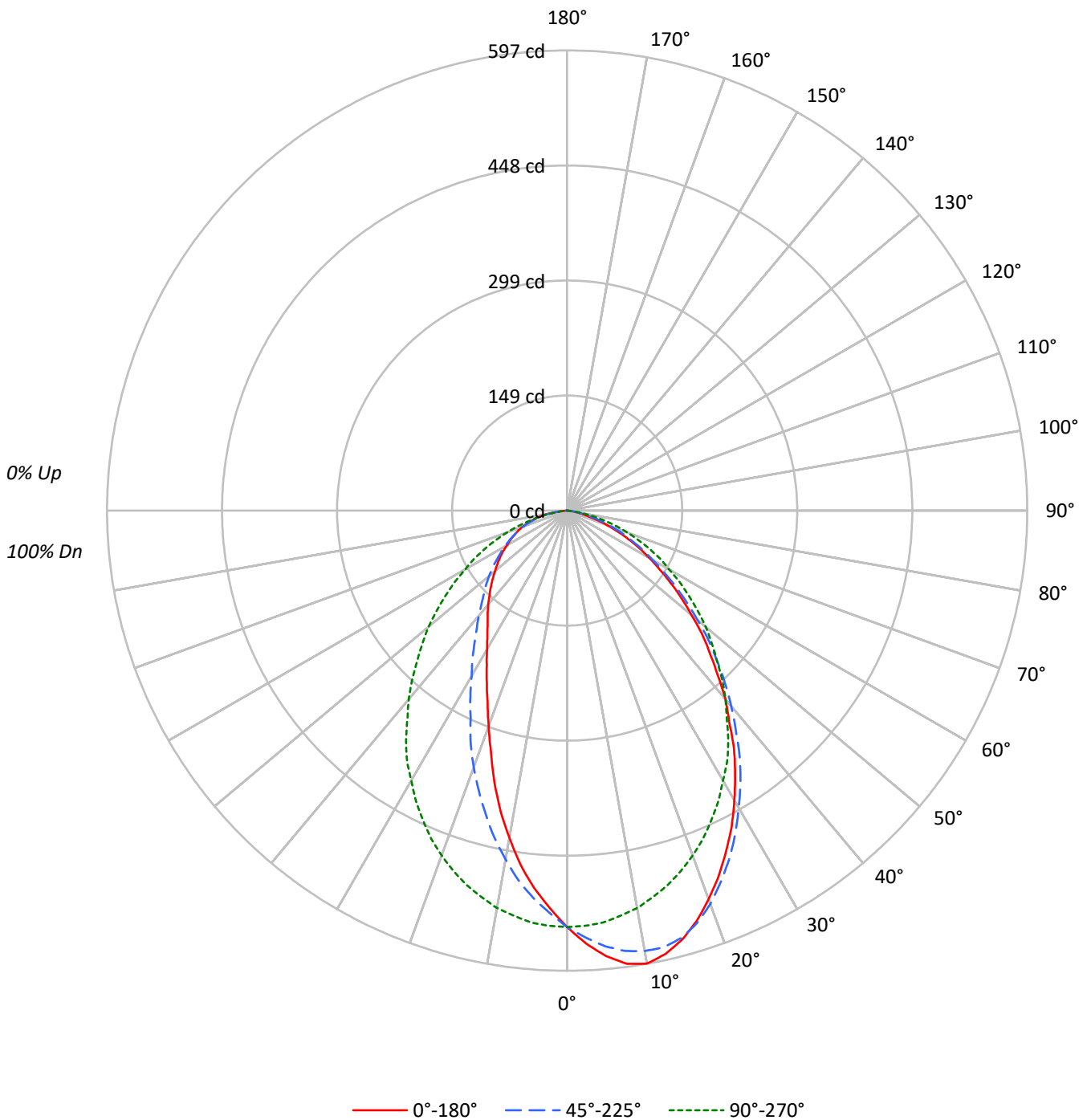
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65					65			
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36					36			
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	33					33			
10	57	45	37	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	35256	35256	35256
5°	37997	35135	32195
10°	39543	34694	28572
15°	38924	33987	24619
20°	37248	33061	20676
25°	35114	31875	17744
30°	32687	30457	15662
35°	30058	29030	14312
40°	27219	27219	13558
45°	24164	25345	12908
50°	21365	23842	12372
55°	18688	21896	12114
60°	16075	19924	11730
65°	13477	18231	11686
70°	10529	15909	11750
75°	7108	12629	11318
80°	4358	7702	10144
85°	973	973	2919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	5.0
10°-20°	136.9	13.5
20°-30°	185.0	18.2
30°-40°	194.5	19.1
40°-50°	174.0	17.1
50°-60°	135.7	13.4
60°-70°	90.3	8.9
70°-80°	43.2	4.3
80°-90°	5.6	0.6
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°	372.6	36.7
0°-40°	567.0	55.8
0°-60°	876.7	86.3
0°-90°	1015.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	540	540	540	540	540	
5°	580	567	536	504	492	56
15°	576	574	503	408	364	161
25°	488	498	443	296	246	224
35°	377	390	364	209	180	235
45°	262	275	275	153	140	203
55°	164	172	192	112	106	148
65°	87	92	118	77	76	87
75°	28	35	50	42	45	32
85°	1	1	1	3	4	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4	540.4
2.5°	562.2	559.7	554.5	548.1	539.1	530.1	522.4	518.6	516.0
5°	580.2	576.3	567.4	553.2	536.5	519.9	504.5	495.5	491.6
7.5°	593.0	587.9	576.3	555.8	530.1	505.7	483.9	467.2	463.4
10°	596.9	593.0	580.2	557.1	523.7	490.3	459.5	439.0	431.3
12.5°	589.2	589.2	580.2	553.2	513.4	472.4	435.1	408.2	399.2
15°	576.3	575.1	573.8	548.1	503.2	453.1	408.2	377.4	364.5
17.5°	558.4	558.4	560.9	539.1	490.3	432.6	381.2	344.0	328.6
20°	536.5	539.1	543.0	528.8	476.2	413.3	354.3	311.9	297.8
22.5°	513.4	514.7	521.1	514.7	460.8	390.2	327.3	281.1	269.6
25°	487.8	491.6	498.0	496.8	442.8	368.4	296.5	256.7	246.5
27.5°	462.1	465.9	472.4	478.8	424.9	346.6	272.1	234.9	225.9
30°	433.9	436.4	445.4	454.4	404.3	322.2	247.7	216.9	207.9
32.5°	405.6	409.5	418.5	430.0	386.4	300.4	228.5	200.2	192.5
35°	377.4	379.9	390.2	404.3	364.5	278.5	209.2	186.1	179.7
37.5°	345.3	349.1	359.4	376.1	340.2	256.7	192.5	173.3	169.4
40°	319.6	320.9	331.2	349.1	319.6	236.2	178.4	163.0	159.2
42.5°	288.8	292.7	302.9	323.5	297.8	213.1	164.3	151.5	148.9
45°	261.9	264.4	274.7	296.5	274.7	195.1	152.7	142.5	139.9
47.5°	237.5	236.2	249.0	269.6	254.2	175.9	142.5	132.2	130.9
50°	210.5	210.5	220.8	243.9	234.9	160.5	132.2	124.5	121.9
52.5°	187.4	186.1	195.1	220.8	213.1	145.0	121.9	115.5	114.2
55°	164.3	165.6	172.0	196.4	192.5	130.9	111.7	107.8	106.5
57.5°	142.5	143.8	148.9	172.0	173.3	118.1	102.7	98.8	98.8
60°	123.2	123.2	128.4	150.2	152.7	105.3	93.7	91.1	89.9
62.5°	105.3	105.3	110.4	128.4	136.1	93.7	84.7	83.4	83.4
65°	87.3	88.6	92.4	109.1	118.1	83.4	77.0	77.0	75.7
67.5°	70.6	71.9	77.0	92.4	100.1	73.2	68.0	69.3	69.3
70°	55.2	57.8	62.9	73.2	83.4	61.6	60.3	61.6	61.6
72.5°	41.1	43.6	48.8	57.8	66.7	51.3	51.3	52.6	53.9
75°	28.2	29.5	34.7	42.4	50.1	41.1	42.4	44.9	44.9
77.5°	19.3	20.5	23.1	28.2	34.7	30.8	33.4	35.9	37.2
80°	11.6	11.6	14.1	16.7	20.5	20.5	23.1	25.7	27.0
82.5°	5.1	5.1	6.4	7.7	9.0	10.3	12.8	12.8	14.1
85°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)