

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: P303497

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303497
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 PR6M12WW8FSMMS 1000Lm3000K
Description: PR6 WALLWASH ASSEMBLY 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: 917.3 lumens
Efficiency: N/A
Efficacy: 88.2 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

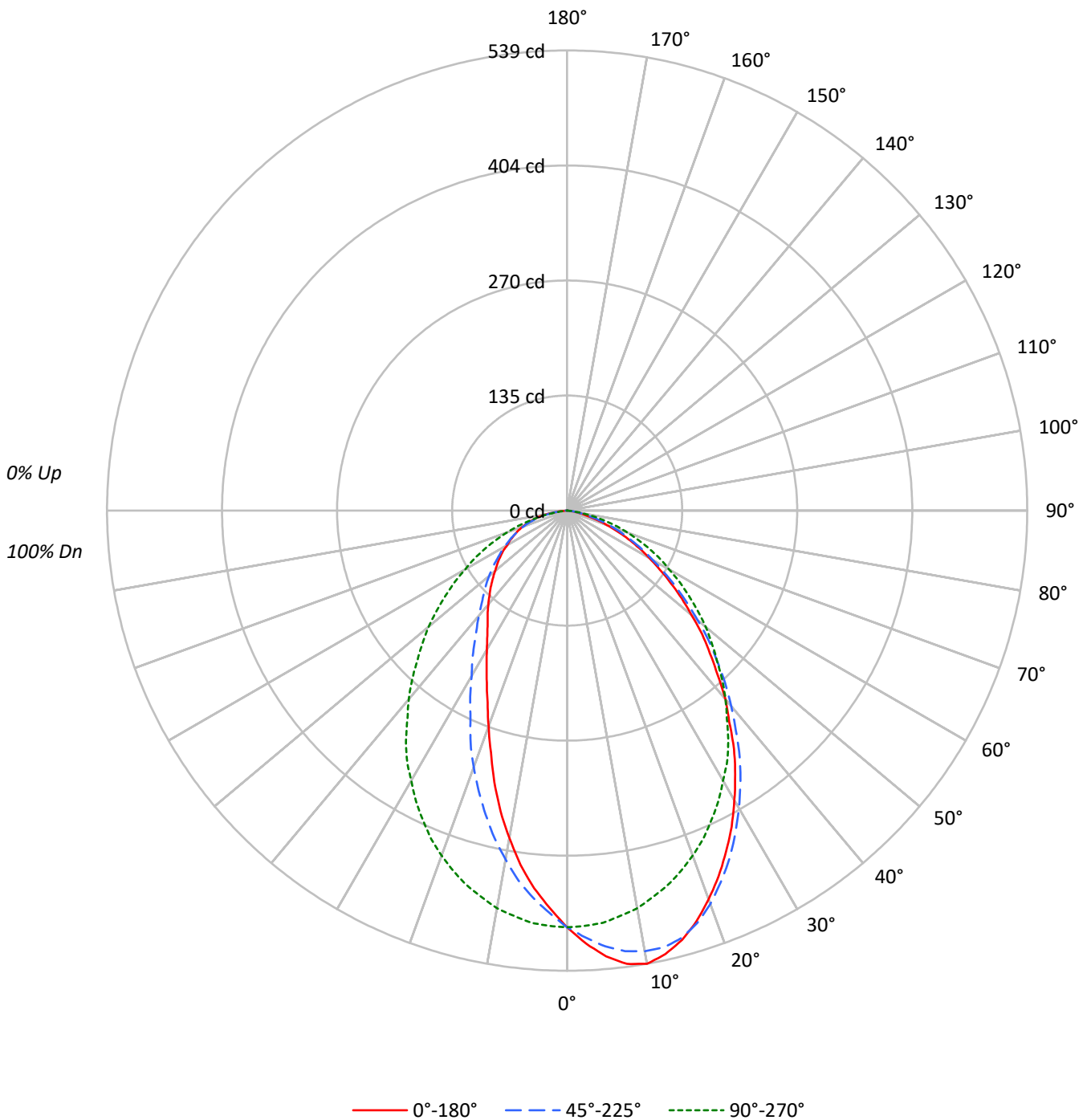
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31837	31837	31837
5°	34317	31730	29077
10°	35707	31335	25803
15°	35156	30691	22235
20°	33638	29861	18669
25°	31709	28787	16024
30°	29516	27504	14148
35°	27143	26219	12926
40°	24579	24579	12238
45°	21820	22891	11662
50°	19294	21527	11175
55°	16880	19780	10942
60°	14523	17993	10582
65°	12165	16456	10559
70°	9499	14364	10606
75°	6428	11394	10234
80°	3907	6951	9130
85°	898	898	2620



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	5.0
10°-20°	123.7	13.5
20°-30°	167.1	18.2
30°-40°	175.6	19.1
40°-50°	157.1	17.1
50°-60°	122.6	13.4
60°-70°	81.5	8.9
70°-80°	39.0	4.3
80°-90°	5.1	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°	336.5	36.7
0°-40°	512.1	55.8
0°-60°	791.8	86.3
0°-90°	917.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	488	488	488	488	488	
5°	524	512	484	456	444	50
15°	520	518	454	369	329	146
25°	440	450	400	268	223	202
35°	341	352	329	189	162	212
45°	236	248	248	138	126	183
55°	148	155	174	101	96	133
65°	79	84	107	70	68	79
75°	26	31	45	38	41	29
85°	1	1	1	2	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°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
2.5°	507.7	505.4	500.8	495.0	486.9	478.8	471.8	468.3	466.0
5°	524.0	520.5	512.4	499.6	484.5	469.5	455.6	447.5	444.0
7.5°	535.6	530.9	520.5	501.9	478.8	456.7	437.0	421.9	418.5
10°	539.0	535.6	524.0	503.1	473.0	442.8	415.0	396.4	389.5
12.5°	532.1	532.1	524.0	499.6	463.7	426.6	393.0	368.6	360.5
15°	520.5	519.3	518.2	495.0	454.4	409.2	368.6	340.8	329.2
17.5°	504.3	504.3	506.6	486.9	442.8	390.7	344.3	310.7	296.8
20°	484.5	486.9	490.3	477.6	430.1	373.3	319.9	281.7	268.9
22.5°	463.7	464.8	470.6	464.8	416.2	352.4	295.6	253.9	243.4
25°	440.5	444.0	449.8	448.6	399.9	332.7	267.8	231.8	222.6
27.5°	417.3	420.8	426.6	432.4	383.7	313.0	245.8	212.1	204.0
30°	391.8	394.1	402.2	410.4	365.1	291.0	223.7	195.9	187.8
32.5°	366.3	369.8	377.9	388.3	348.9	271.3	206.3	180.8	173.9
35°	340.8	343.1	352.4	365.1	329.2	251.5	189.0	168.1	162.3
37.5°	311.8	315.3	324.6	339.6	307.2	231.8	173.9	156.5	153.0
40°	288.6	289.8	299.1	315.3	288.6	213.3	161.1	147.2	143.7
42.5°	260.8	264.3	273.6	292.1	268.9	192.4	148.4	136.8	134.5
45°	236.5	238.8	248.1	267.8	248.1	176.2	137.9	128.7	126.4
47.5°	214.5	213.3	224.9	243.4	229.5	158.8	128.7	119.4	118.2
50°	190.1	190.1	199.4	220.2	212.1	144.9	119.4	112.4	110.1
52.5°	169.2	168.1	176.2	199.4	192.4	131.0	110.1	104.3	103.2
55°	148.4	149.5	155.3	177.4	173.9	118.2	100.9	97.4	96.2
57.5°	128.7	129.8	134.5	155.3	156.5	106.6	92.7	89.3	89.3
60°	111.3	111.3	115.9	135.6	137.9	95.1	84.6	82.3	81.1
62.5°	95.1	95.1	99.7	115.9	122.9	84.6	76.5	75.3	75.3
65°	78.8	80.0	83.5	98.5	106.6	75.3	69.6	69.6	68.4
67.5°	63.8	64.9	69.6	83.5	90.4	66.1	61.4	62.6	62.6
70°	49.8	52.2	56.8	66.1	75.3	55.6	54.5	55.6	55.6
72.5°	37.1	39.4	44.0	52.2	60.3	46.4	46.4	47.5	48.7
75°	25.5	26.7	31.3	38.3	45.2	37.1	38.3	40.6	40.6
77.5°	17.4	18.5	20.9	25.5	31.3	27.8	30.1	32.5	33.6
80°	10.4	10.4	12.8	15.1	18.5	18.5	20.9	23.2	24.3
82.5°	4.6	4.6	5.8	7.0	8.1	9.3	11.6	11.6	12.8
85°	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	3.5
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)