

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: P303502

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMMS 1000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303502  
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 1000Lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 775.3 lumens  
Efficiency: N/A  
Efficacy: 74.5 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

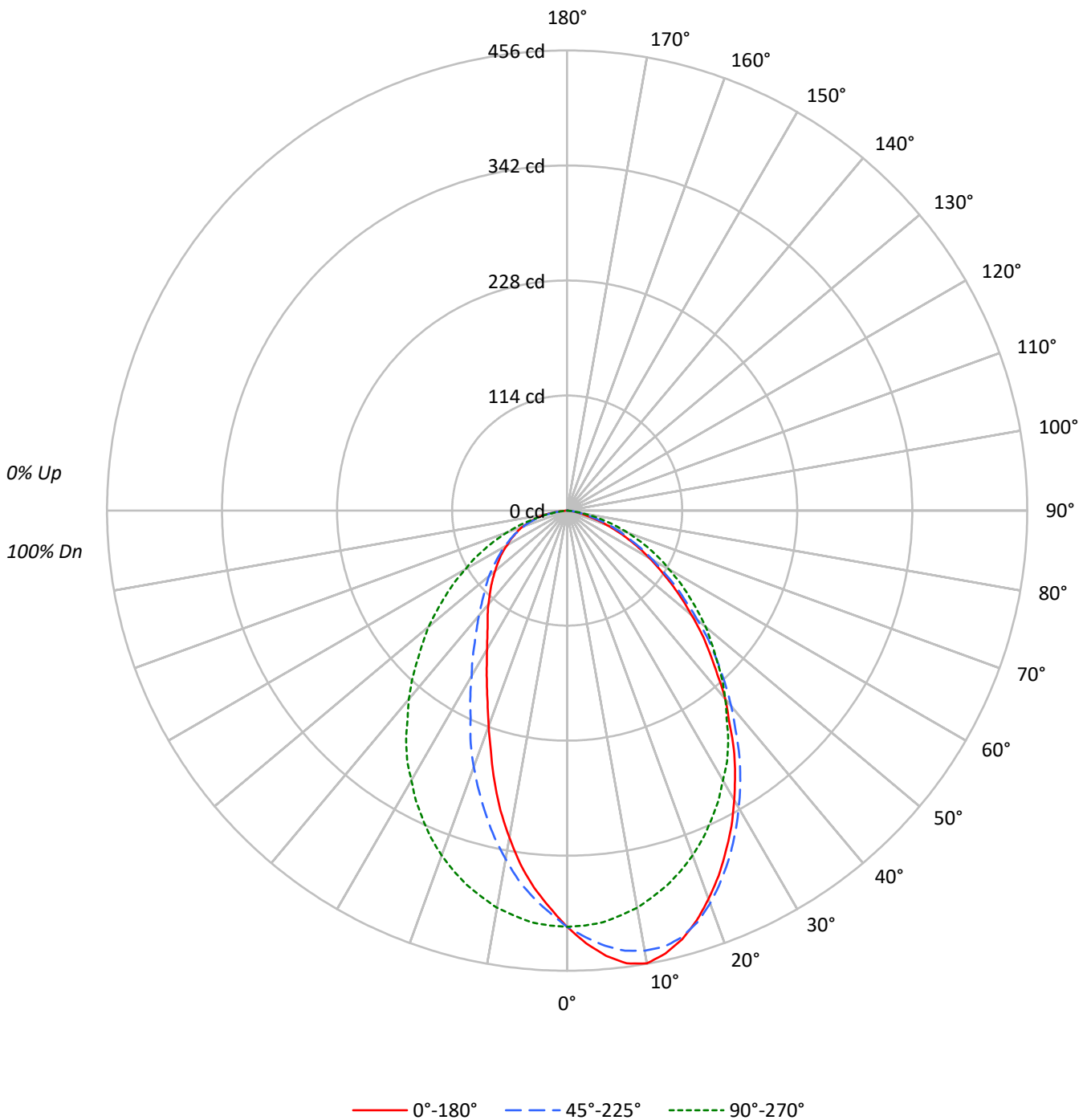
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	26912	26912	26912
5°	28999	26818	24572
10°	30182	26479	21809
15°	29712	25943	18790
20°	28431	25237	15781
25°	26800	24331	13540
30°	24943	23248	11955
35°	22938	22157	10927
40°	20780	20780	10348
45°	18444	19348	9854
50°	16310	18198	9449
55°	14263	16720	9247
60°	12278	15214	8951
65°	10281	13909	8923
70°	8031	12151	8965
75°	5445	9629	8646
80°	3306	5899	7740
85°	749	749	2171



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	5.0
10°-20°	104.5	13.5
20°-30°	141.2	18.2
30°-40°	148.4	19.1
40°-50°	132.8	17.1
50°-60°	103.6	13.4
60°-70°	68.9	8.9
70°-80°	33.0	4.3
80°-90°	4.3	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°	284.4	36.7
0°-40°	432.8	55.8
0°-60°	669.2	86.3
0°-90°	775.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	412	412	412	412	412	
5°	443	433	410	385	375	43
15°	440	438	384	312	278	123
25°	372	380	338	226	188	171
35°	288	298	278	160	137	179
45°	200	210	210	117	107	155
55°	125	131	147	85	81	113
65°	67	70	90	59	58	66
75°	22	26	38	32	34	25
85°	1	1	1	2	3	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°	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5
2.5°	429.1	427.2	423.2	418.3	411.5	404.6	398.7	395.8	393.8
5°	442.8	439.9	433.0	422.3	409.5	396.8	385.0	378.2	375.2
7.5°	452.6	448.7	439.9	424.2	404.6	386.0	369.4	356.6	353.7
10°	455.6	452.6	442.8	425.2	399.7	374.3	350.7	335.1	329.2
12.5°	449.7	449.7	442.8	422.3	391.9	360.5	332.1	311.6	304.7
15°	439.9	438.9	437.9	418.3	384.1	345.8	311.6	288.0	278.2
17.5°	426.2	426.2	428.1	411.5	374.3	330.2	291.0	262.6	250.8
20°	409.5	411.5	414.4	403.6	363.5	315.5	270.4	238.1	227.3
22.5°	391.9	392.9	397.8	392.9	351.7	297.8	249.8	214.6	205.7
25°	372.3	375.2	380.1	379.2	338.0	281.2	226.3	195.9	188.1
27.5°	352.7	355.6	360.5	365.4	324.3	264.5	207.7	179.3	172.4
30°	331.1	333.1	340.0	346.8	308.6	245.9	189.1	165.6	158.7
32.5°	309.6	312.5	319.4	328.2	294.9	229.3	174.4	152.8	147.0
35°	288.0	290.0	297.8	308.6	278.2	212.6	159.7	142.1	137.2
37.5°	263.5	266.5	274.3	287.1	259.6	195.9	147.0	132.3	129.3
40°	244.0	244.9	252.8	266.5	244.0	180.3	136.2	124.4	121.5
42.5°	220.4	223.4	231.2	246.9	227.3	162.6	125.4	115.6	113.6
45°	199.9	201.8	209.7	226.3	209.7	148.9	116.6	108.7	106.8
47.5°	181.2	180.3	190.1	205.7	194.0	134.2	108.7	100.9	99.9
50°	160.7	160.7	168.5	186.1	179.3	122.5	100.9	95.0	93.1
52.5°	143.0	142.1	148.9	168.5	162.6	110.7	93.1	88.2	87.2
55°	125.4	126.4	131.3	149.9	147.0	99.9	85.2	82.3	81.3
57.5°	108.7	109.7	113.6	131.3	132.3	90.1	78.4	75.4	75.4
60°	94.1	94.1	98.0	114.6	116.6	80.3	71.5	69.6	68.6
62.5°	80.3	80.3	84.3	98.0	103.9	71.5	64.7	63.7	63.7
65°	66.6	67.6	70.5	83.3	90.1	63.7	58.8	58.8	57.8
67.5°	53.9	54.9	58.8	70.5	76.4	55.8	51.9	52.9	52.9
70°	42.1	44.1	48.0	55.8	63.7	47.0	46.0	47.0	47.0
72.5°	31.4	33.3	37.2	44.1	50.9	39.2	39.2	40.2	41.1
75°	21.6	22.5	26.5	32.3	38.2	31.4	32.3	34.3	34.3
77.5°	14.7	15.7	17.6	21.6	26.5	23.5	25.5	27.4	28.4
80°	8.8	8.8	10.8	12.7	15.7	15.7	17.6	19.6	20.6
82.5°	3.9	3.9	4.9	5.9	6.9	7.8	9.8	9.8	10.8
85°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9
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)