

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: P303499

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303499  
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 1000Lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 999.9 lumens  
Efficiency: N/A  
Efficacy: 96.1 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

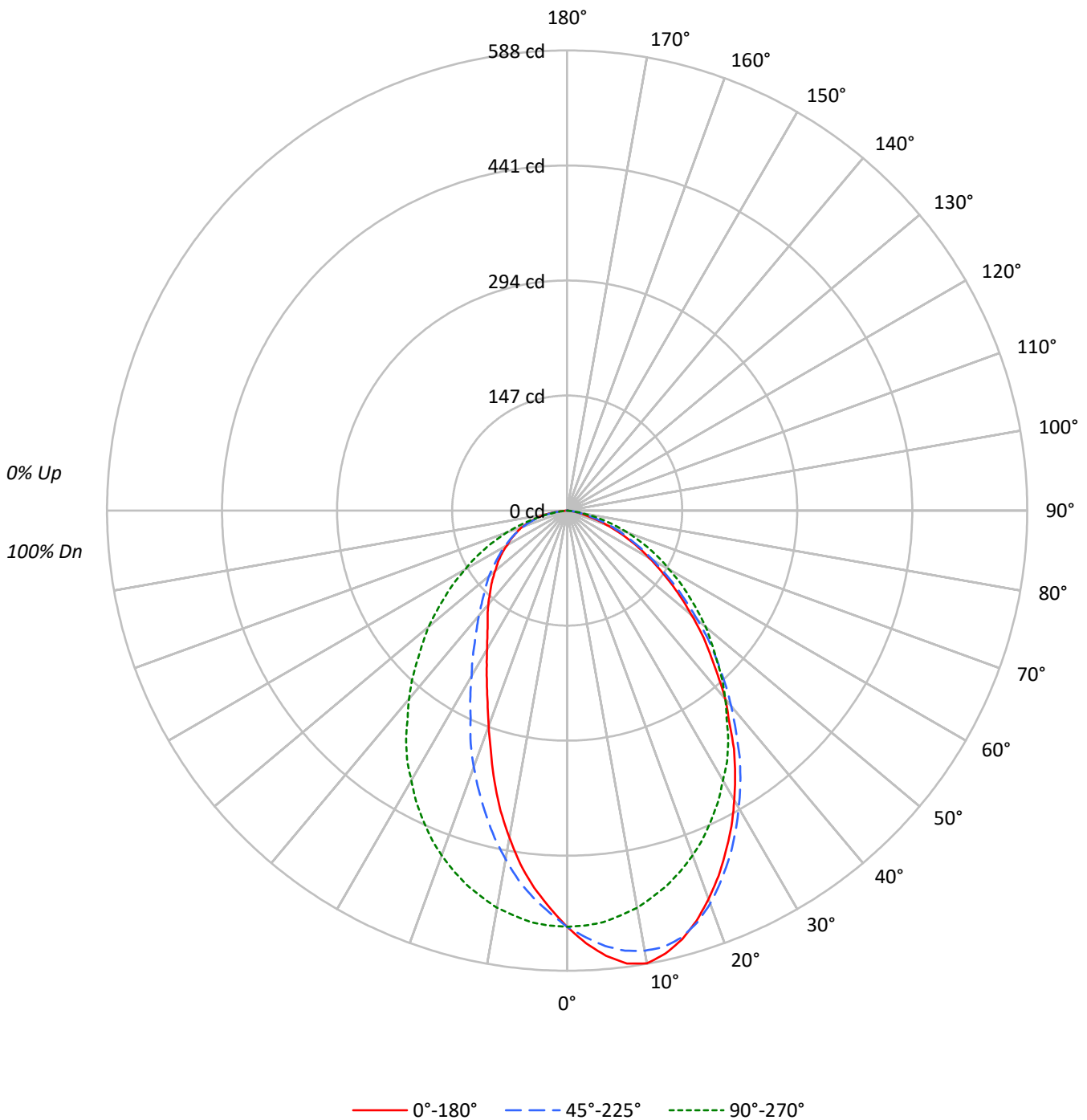
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	34701	34701	34701
5°	37401	34585	31691
10°	38920	34150	28122
15°	38317	33454	24234
20°	36665	32548	20349
25°	34560	31378	17464
30°	32175	29983	15421
35°	29588	28576	14089
40°	26793	26793	13345
45°	23786	24948	12705
50°	21030	23466	12180
55°	18392	21554	11932
60°	15827	19624	11535
65°	13261	17938	11501
70°	10358	15661	11560
75°	7008	12427	11142
80°	4283	7589	9956
85°	973	973	2844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	5.0
10°-20°	134.8	13.5
20°-30°	182.1	18.2
30°-40°	191.4	19.1
40°-50°	171.3	17.1
50°-60°	133.6	13.4
60°-70°	88.8	8.9
70°-80°	42.5	4.3
80°-90°	5.5	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°	366.7	36.7
0°-40°	558.1	55.8
0°-60°	863.0	86.3
0°-90°	999.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	999.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	532	532	532	532	532	
5°	571	558	528	497	484	55
15°	567	565	495	402	359	159
25°	480	490	436	292	243	221
35°	372	384	359	206	177	231
45°	258	270	270	150	138	200
55°	162	169	190	110	105	145
65°	86	91	116	76	74	86
75°	28	34	49	42	44	32
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°	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9	531.9
2.5°	553.4	550.9	545.8	539.5	530.7	521.8	514.2	510.4	507.9
5°	571.1	567.3	558.5	544.6	528.1	511.7	496.6	487.7	483.9
7.5°	583.7	578.7	567.3	547.1	521.8	497.8	476.3	459.9	456.1
10°	587.5	583.7	571.1	548.4	515.5	482.7	452.3	432.1	424.5
12.5°	579.9	579.9	571.1	544.6	505.4	465.0	428.3	401.8	392.9
15°	567.3	566.0	564.8	539.5	495.3	446.0	401.8	371.5	358.8
17.5°	549.6	549.6	552.1	530.7	482.7	425.8	375.3	338.6	323.5
20°	528.1	530.7	534.5	520.6	468.8	406.8	348.7	307.0	293.1
22.5°	505.4	506.7	513.0	506.7	453.6	384.1	322.2	276.7	265.3
25°	480.1	483.9	490.2	489.0	435.9	362.6	291.9	252.7	242.6
27.5°	454.9	458.6	465.0	471.3	418.2	341.1	267.9	231.2	222.4
30°	427.1	429.6	438.4	447.3	398.0	317.1	243.9	213.5	204.7
32.5°	399.3	403.1	411.9	423.3	380.3	295.7	224.9	197.1	189.5
35°	371.5	374.0	384.1	398.0	358.8	274.2	205.9	183.2	176.9
37.5°	339.9	343.7	353.8	370.2	334.8	252.7	189.5	170.6	166.8
40°	314.6	315.9	326.0	343.7	314.6	232.5	175.6	160.5	156.7
42.5°	284.3	288.1	298.2	318.4	293.1	209.7	161.7	149.1	146.6
45°	257.8	260.3	270.4	291.9	270.4	192.1	150.4	140.2	137.7
47.5°	233.7	232.5	245.1	265.3	250.2	173.1	140.2	130.1	128.9
50°	207.2	207.2	217.3	240.1	231.2	157.9	130.1	122.6	120.0
52.5°	184.5	183.2	192.1	217.3	209.7	142.8	120.0	113.7	112.5
55°	161.7	163.0	169.3	193.3	189.5	128.9	109.9	106.1	104.9
57.5°	140.2	141.5	146.6	169.3	170.6	116.2	101.1	97.3	97.3
60°	121.3	121.3	126.3	147.8	150.4	103.6	92.2	89.7	88.4
62.5°	103.6	103.6	108.7	126.3	133.9	92.2	83.4	82.1	82.1
65°	85.9	87.2	91.0	107.4	116.2	82.1	75.8	75.8	74.5
67.5°	69.5	70.8	75.8	91.0	98.6	72.0	67.0	68.2	68.2
70°	54.3	56.9	61.9	72.0	82.1	60.6	59.4	60.6	60.6
72.5°	40.4	43.0	48.0	56.9	65.7	50.5	50.5	51.8	53.1
75°	27.8	29.1	34.1	41.7	49.3	40.4	41.7	44.2	44.2
77.5°	19.0	20.2	22.7	27.8	34.1	30.3	32.9	35.4	36.6
80°	11.4	11.4	13.9	16.4	20.2	20.2	22.7	25.3	26.5
82.5°	5.1	5.1	6.3	7.6	8.8	10.1	12.6	12.6	13.9
85°	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	3.8
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)