

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: P303477

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1500Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS12D010 PR6M12WW9FSMW 1500Lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1020.3 lumens  
Efficiency: N/A  
Efficacy: 76.7 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

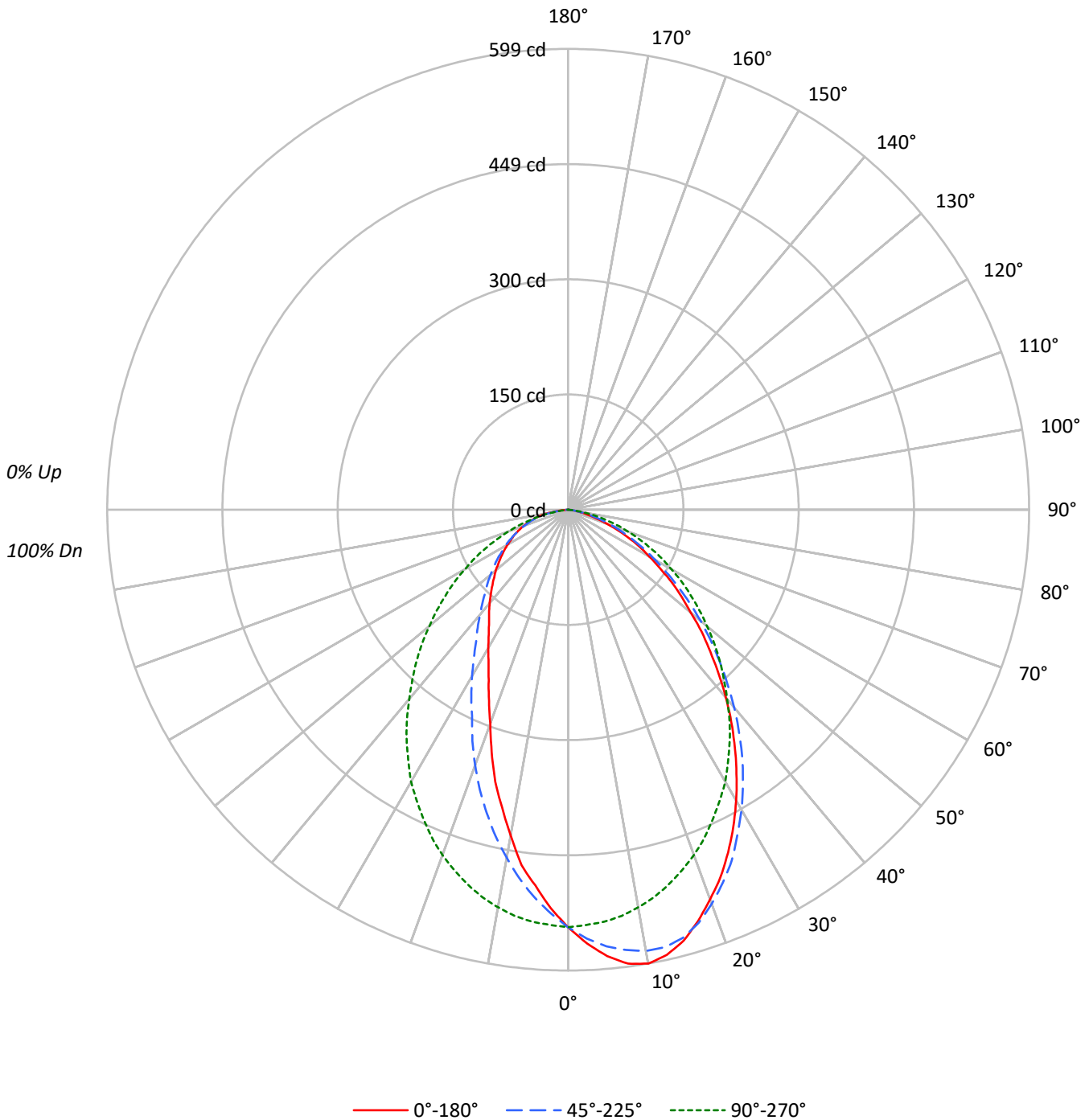
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	61	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	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	35406	35406	35406
5°	38141	35207	32110
10°	39689	34766	28493
15°	39168	34061	24727
20°	37415	33152	20530
25°	35381	31976	17600
30°	32883	30759	15624
35°	30074	29158	14272
40°	27142	27364	13516
45°	24090	25742	12871
50°	21050	23902	12474
55°	18631	22134	12080
60°	15867	20212	11861
65°	13430	18185	11856
70°	10262	15622	11712
75°	7108	12578	11620
80°	4321	7702	10595
85°	973	973	2844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	5.0
10°-20°	137.3	13.5
20°-30°	185.8	18.2
30°-40°	195.5	19.2
40°-50°	175.0	17.2
50°-60°	136.5	13.4
60°-70°	90.5	8.9
70°-80°	43.2	4.2
80°-90°	5.7	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°	373.9	36.6
0°-40°	569.4	55.8
0°-60°	880.9	86.3
0°-90°	1020.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1020.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	543	543	543	543	543	
5°	582	570	538	506	490	56
15°	580	576	504	408	366	162
25°	492	503	444	296	244	226
35°	378	394	366	209	179	236
45°	261	278	279	152	140	202
55°	164	174	195	113	106	146
65°	87	93	118	77	77	86
75°	28	35	50	44	46	32
85°	1	1	1	4	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°	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7
2.5°	564.5	561.9	558.1	549.1	540.2	531.2	524.8	519.7	518.4
5°	582.4	578.6	569.6	555.5	537.6	521.0	505.6	495.4	490.3
7.5°	595.2	590.1	577.3	558.1	532.5	505.6	483.9	467.2	465.9
10°	599.1	595.2	582.4	558.1	524.8	491.5	459.5	437.8	430.1
12.5°	592.7	591.4	582.4	555.5	515.9	473.6	435.2	407.1	396.8
15°	579.9	579.9	576.0	550.4	504.3	455.7	408.3	376.3	366.1
17.5°	560.7	561.9	563.2	542.7	491.5	433.9	381.5	344.3	330.3
20°	538.9	542.7	545.3	531.2	477.5	413.5	353.3	308.5	295.7
22.5°	517.1	519.7	524.8	518.4	462.1	391.7	325.1	280.3	268.8
25°	491.5	494.1	503.1	501.8	444.2	369.9	295.7	256.0	244.5
27.5°	464.7	468.5	476.2	481.3	426.3	346.9	272.6	234.2	224.0
30°	436.5	440.3	450.6	459.5	408.3	323.9	249.6	215.0	207.4
32.5°	407.1	410.9	422.4	435.2	386.6	300.8	227.8	199.7	192.0
35°	377.6	381.5	394.3	407.1	366.1	277.8	208.6	185.6	179.2
37.5°	348.2	352.0	364.8	381.5	344.3	257.3	193.3	172.8	169.0
40°	318.7	322.6	335.4	354.6	321.3	234.2	177.9	161.3	158.7
42.5°	289.3	294.4	305.9	326.4	299.5	213.8	165.1	152.3	148.5
45°	261.1	265.0	277.8	300.8	279.0	194.6	152.3	142.1	139.5
47.5°	235.5	236.8	250.9	273.9	257.3	176.6	142.1	133.1	130.6
50°	207.4	212.5	224.0	248.3	235.5	160.0	131.8	124.2	122.9
52.5°	185.6	186.9	198.4	224.0	215.0	144.6	121.6	116.5	113.9
55°	163.8	166.4	174.1	198.4	194.6	130.6	112.6	107.5	106.2
57.5°	140.8	143.4	151.0	175.4	175.4	117.8	102.4	98.6	98.6
60°	121.6	124.2	130.6	152.3	154.9	106.2	94.7	92.2	90.9
62.5°	105.0	106.2	111.4	131.8	137.0	93.4	85.8	84.5	83.2
65°	87.0	88.3	93.4	111.4	117.8	83.2	76.8	76.8	76.8
67.5°	70.4	71.7	76.8	90.9	99.8	71.7	69.1	69.1	69.1
70°	53.8	56.3	61.4	73.0	81.9	61.4	60.2	61.4	61.4
72.5°	39.7	42.2	47.4	57.6	66.6	51.2	52.5	53.8	55.0
75°	28.2	29.4	34.6	42.2	49.9	41.0	43.5	44.8	46.1
77.5°	19.2	20.5	23.0	29.4	35.8	30.7	33.3	35.8	38.4
80°	11.5	11.5	12.8	16.6	20.5	20.5	23.0	26.9	28.2
82.5°	5.1	5.1	6.4	7.7	9.0	10.2	12.8	14.1	14.1
85°	1.3	1.3	1.3	1.3	1.3	2.6	3.8	3.8	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)