

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: P303513

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 2000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303513  
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: PR6FS24D010 PR6M24WW9FSMMS 2000lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1718.3 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

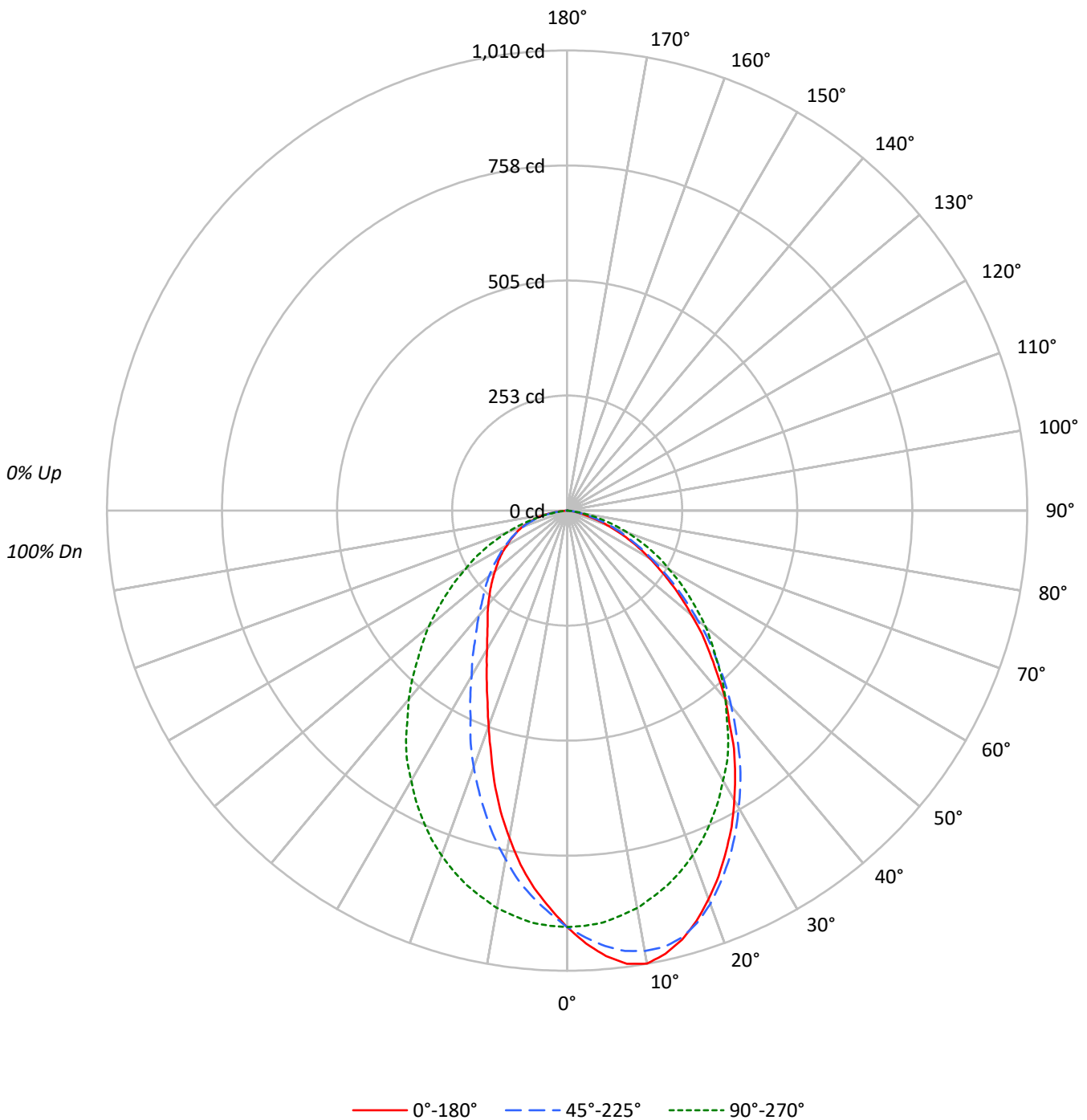
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	59636	59636	59636
5°	64272	59439	54461
10°	66890	58688	48334
15°	65847	57492	41653
20°	63013	55931	34971
25°	59395	53924	30011
30°	55287	51528	26502
35°	50845	49117	24212
40°	46049	46049	22927
45°	40864	42875	21839
50°	36143	40325	20939
55°	31609	37046	20497
60°	27192	33716	19833
65°	22785	30844	19775
70°	17816	26915	19876
75°	12049	21350	19157
80°	7326	13037	17132
85°	1647	1647	4866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	5.0
10°-20°	231.6	13.5
20°-30°	312.9	18.2
30°-40°	328.9	19.1
40°-50°	294.4	17.1
50°-60°	229.6	13.4
60°-70°	152.7	8.9
70°-80°	73.0	4.3
80°-90°	9.5	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°	630.2	36.7
0°-40°	959.2	55.8
0°-60°	1483.1	86.3
0°-90°	1718.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	914	914	914	914	914	
5°	981	960	908	853	832	94
15°	975	971	851	690	617	273
25°	825	842	749	502	417	379
35°	638	660	617	354	304	397
45°	443	465	465	258	237	343
55°	278	291	326	189	180	250
65°	148	156	200	130	128	147
75°	48	59	85	72	76	54
85°	2	2	2	4	6	6
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°	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1
2.5°	951.0	946.7	938.0	927.1	911.9	896.8	883.7	877.2	872.9
5°	981.4	974.9	959.7	935.8	907.6	879.4	853.3	838.1	831.6
7.5°	1003.1	994.5	974.9	940.2	896.8	855.5	818.6	790.4	783.8
10°	1009.7	1003.1	981.4	942.3	885.9	829.4	777.3	742.6	729.6
12.5°	996.6	996.6	981.4	935.8	868.5	799.0	736.1	690.5	675.3
15°	974.9	972.7	970.6	927.1	851.2	766.5	690.5	638.4	616.7
17.5°	944.5	944.5	948.9	911.9	829.4	731.7	644.9	581.9	555.9
20°	907.6	911.9	918.5	894.6	805.6	699.2	599.3	527.6	503.7
22.5°	868.5	870.7	881.6	870.7	779.5	660.1	553.7	475.5	456.0
25°	825.1	831.6	842.5	840.3	749.1	623.2	501.6	434.3	416.9
27.5°	781.7	788.2	799.0	809.9	718.7	586.3	460.3	397.3	382.2
30°	733.9	738.2	753.4	768.6	684.0	545.0	419.1	367.0	351.8
32.5°	686.1	692.6	707.8	727.4	653.6	508.1	386.5	338.7	325.7
35°	638.4	642.7	660.1	684.0	616.7	471.2	353.9	314.8	304.0
37.5°	584.1	590.6	608.0	636.2	575.4	434.3	325.7	293.1	286.6
40°	540.7	542.8	560.2	590.6	540.7	399.5	301.8	275.8	269.2
42.5°	488.5	495.1	512.4	547.2	503.7	360.4	277.9	256.2	251.9
45°	442.9	447.3	464.7	501.6	464.7	330.0	258.4	241.0	236.7
47.5°	401.7	399.5	421.2	456.0	429.9	297.5	241.0	223.6	221.5
50°	356.1	356.1	373.5	412.5	397.3	271.4	223.6	210.6	206.3
52.5°	317.0	314.8	330.0	373.5	360.4	245.4	206.3	195.4	193.2
55°	277.9	280.1	291.0	332.2	325.7	221.5	188.9	182.4	180.2
57.5°	241.0	243.2	251.9	291.0	293.1	199.8	173.7	167.2	167.2
60°	208.4	208.4	217.1	254.0	258.4	178.0	158.5	154.2	152.0
62.5°	178.0	178.0	186.7	217.1	230.2	158.5	143.3	141.1	141.1
65°	147.6	149.8	156.3	184.6	199.8	141.1	130.3	130.3	128.1
67.5°	119.4	121.6	130.3	156.3	169.4	123.8	115.1	117.3	117.3
70°	93.4	97.7	106.4	123.8	141.1	104.2	102.1	104.2	104.2
72.5°	69.5	73.8	82.5	97.7	112.9	86.9	86.9	89.0	91.2
75°	47.8	49.9	58.6	71.7	84.7	69.5	71.7	76.0	76.0
77.5°	32.6	34.7	39.1	47.8	58.6	52.1	56.5	60.8	63.0
80°	19.5	19.5	23.9	28.2	34.7	34.7	39.1	43.4	45.6
82.5°	8.7	8.7	10.9	13.0	15.2	17.4	21.7	21.7	23.9
85°	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	6.5
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)