

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: P303514

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303514
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 2000Lm4000K
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: 1549.4 lumens
Efficiency: N/A
Efficacy: 70.4 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

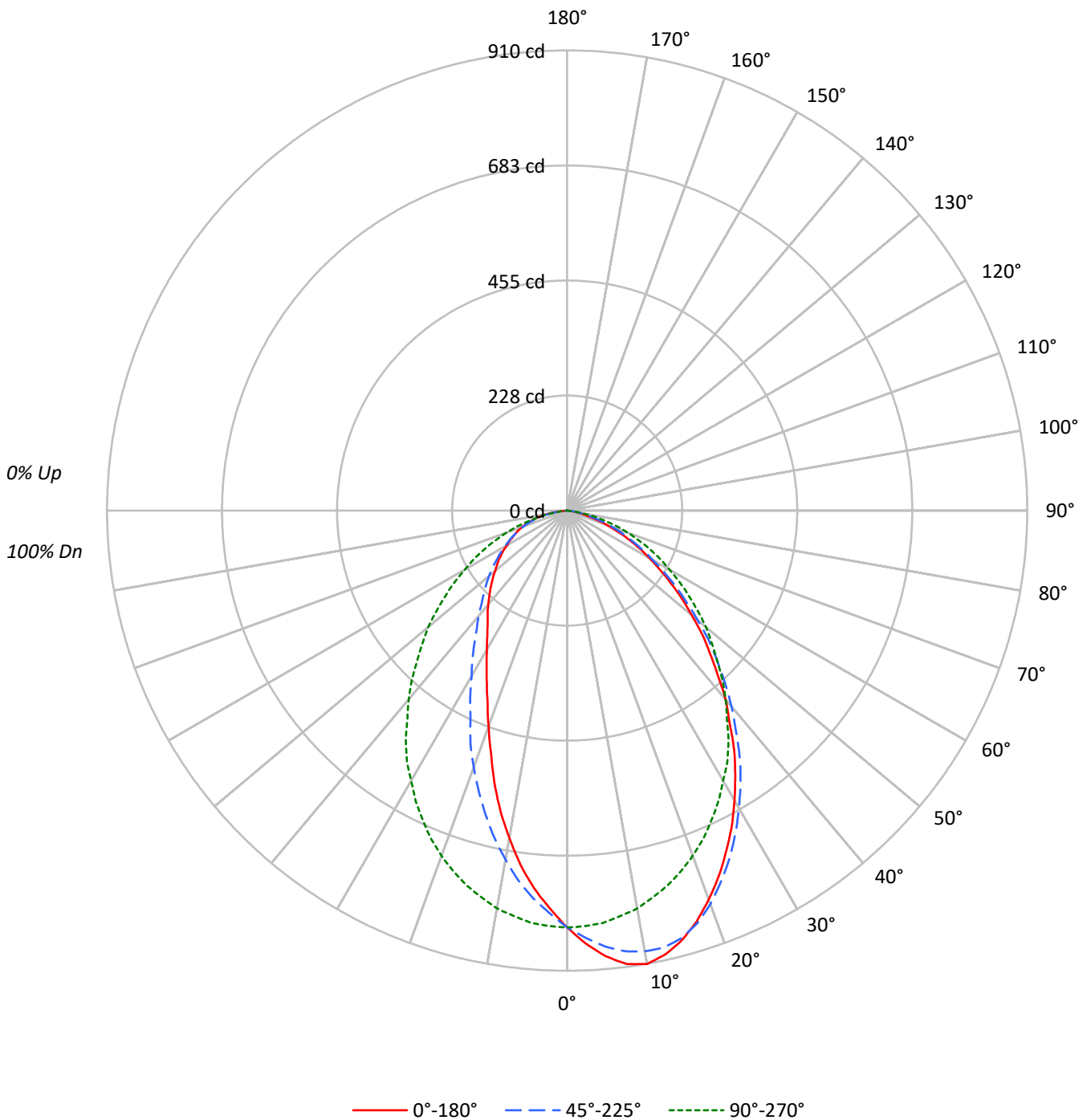
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	53778	53778	53778
5°	57959	53597	49111
10°	60318	52925	43584
15°	59376	51839	37560
20°	56820	50432	31541
25°	53557	48626	27059
30°	49856	46466	23896
35°	45843	44290	21830
40°	41518	41518	20678
45°	36850	38659	19689
50°	32590	36366	18878
55°	28504	33406	18483
60°	24530	30402	17889
65°	20547	27802	17830
70°	16061	24283	17931
75°	10864	19258	17267
80°	6612	11760	15442
85°	1497	1497	4416



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	5.0
10°-20°	208.9	13.5
20°-30°	282.2	18.2
30°-40°	296.6	19.1
40°-50°	265.4	17.1
50°-60°	207.0	13.4
60°-70°	137.7	8.9
70°-80°	65.9	4.3
80°-90°	8.5	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°	568.3	36.7
0°-40°	864.9	55.8
0°-60°	1337.4	86.3
0°-90°	1549.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1549.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	824	824	824	824	824	
5°	885	865	818	770	750	85
15°	879	875	768	623	556	246
25°	744	760	676	452	376	342
35°	576	595	556	319	274	358
45°	399	419	419	233	213	309
55°	251	262	294	170	162	225
65°	133	141	180	118	116	133
75°	43	53	76	65	68	49
85°	2	2	2	4	6	5
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°	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3
2.5°	857.6	853.7	845.8	836.1	822.4	808.6	796.9	791.0	787.1
5°	885.0	879.1	865.4	843.9	818.4	793.0	769.5	755.8	749.9
7.5°	904.6	896.8	879.1	847.8	808.6	771.4	738.2	712.7	706.8
10°	910.5	904.6	885.0	849.8	798.9	747.9	701.0	669.6	657.9
12.5°	898.7	898.7	885.0	843.9	783.2	720.5	663.8	622.6	608.9
15°	879.1	877.2	875.2	836.1	767.5	691.2	622.6	575.6	556.1
17.5°	851.7	851.7	855.6	822.4	747.9	659.8	581.5	524.7	501.2
20°	818.4	822.4	828.2	806.7	726.4	630.5	540.4	475.8	454.3
22.5°	783.2	785.2	794.9	785.2	702.9	595.2	499.3	428.8	411.2
25°	744.0	749.9	759.7	757.7	675.5	561.9	452.3	391.6	375.9
27.5°	704.9	710.7	720.5	730.3	648.1	528.7	415.1	358.3	344.6
30°	661.8	665.7	679.4	693.1	616.8	491.5	377.9	330.9	317.2
32.5°	618.7	624.6	638.3	655.9	589.4	458.2	348.5	305.4	293.7
35°	575.6	579.6	595.2	616.8	556.1	424.9	319.2	283.9	274.1
37.5°	526.7	532.6	548.2	573.7	518.9	391.6	293.7	264.3	258.5
40°	487.5	489.5	505.2	532.6	487.5	360.3	272.2	248.7	242.8
42.5°	440.5	446.4	462.1	493.4	454.3	325.0	250.6	231.0	227.1
45°	399.4	403.3	419.0	452.3	419.0	297.6	233.0	217.3	213.4
47.5°	362.2	360.3	379.8	411.2	387.7	268.2	217.3	201.7	199.7
50°	321.1	321.1	336.8	372.0	358.3	244.7	201.7	189.9	186.0
52.5°	285.9	283.9	297.6	336.8	325.0	221.3	186.0	176.2	174.3
55°	250.6	252.6	262.4	299.6	293.7	199.7	170.3	164.5	162.5
57.5°	217.3	219.3	227.1	262.4	264.3	180.1	156.6	150.8	150.8
60°	188.0	188.0	195.8	229.1	233.0	160.6	142.9	139.0	137.1
62.5°	160.6	160.6	168.4	195.8	207.5	142.9	129.2	127.3	127.3
65°	133.1	135.1	141.0	166.4	180.1	127.3	117.5	117.5	115.5
67.5°	107.7	109.6	117.5	141.0	152.7	111.6	103.8	105.7	105.7
70°	84.2	88.1	95.9	111.6	127.3	94.0	92.0	94.0	94.0
72.5°	62.7	66.6	74.4	88.1	101.8	78.3	78.3	80.3	82.2
75°	43.1	45.0	52.9	64.6	76.4	62.7	64.6	68.5	68.5
77.5°	29.4	31.3	35.2	43.1	52.9	47.0	50.9	54.8	56.8
80°	17.6	17.6	21.5	25.5	31.3	31.3	35.2	39.2	41.1
82.5°	7.8	7.8	9.8	11.7	13.7	15.7	19.6	19.6	21.5
85°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	5.9
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)