

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: P303505

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMMS 1500Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303505
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 1500Lm4000K
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: 1280.0 lumens
Efficiency: N/A
Efficacy: 92.1 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

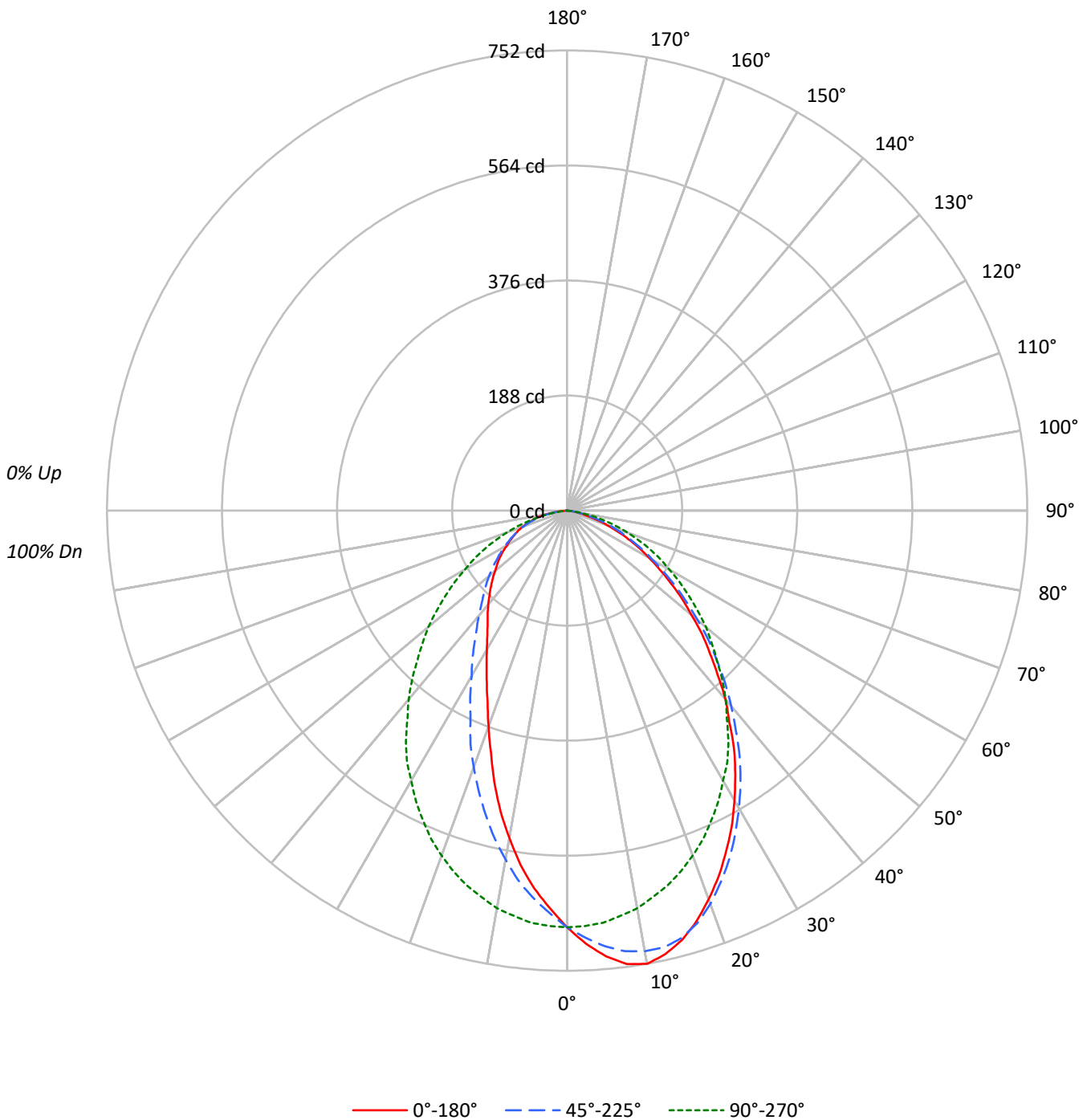
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	44429	44429	44429
5°	47880	44278	40571
10°	49824	43716	36005
15°	49056	42828	31029
20°	46940	41664	26056
25°	44249	40168	22359
30°	41185	38382	19737
35°	37871	36588	18039
40°	34305	34305	17084
45°	30447	31933	16266
50°	26927	30043	15600
55°	23545	27594	15276
60°	20264	25118	14770
65°	16981	22971	14727
70°	13276	20048	14802
75°	8974	15906	14267
80°	5485	9731	12774
85°	1198	1198	3668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	5.0
10°-20°	172.5	13.5
20°-30°	233.1	18.2
30°-40°	245.0	19.1
40°-50°	219.3	17.1
50°-60°	171.0	13.4
60°-70°	113.7	8.9
70°-80°	54.4	4.3
80°-90°	7.1	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°	469.5	36.7
0°-40°	714.5	55.8
0°-60°	1104.8	86.3
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	681	681	681	681	681	
5°	731	715	676	636	620	70
15°	726	723	634	514	459	203
25°	615	628	558	374	311	282
35°	476	492	459	264	226	296
45°	330	346	346	192	176	256
55°	207	217	243	141	134	186
65°	110	116	149	97	95	110
75°	36	44	63	53	57	40
85°	2	2	2	3	5	4
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°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	708.5	705.2	698.8	690.7	679.4	668.0	658.3	653.5	650.2
5°	731.1	726.3	714.9	697.1	676.1	655.1	635.7	624.4	619.5
7.5°	747.3	740.8	726.3	700.4	668.0	637.3	609.8	588.8	583.9
10°	752.1	747.3	731.1	702.0	659.9	617.9	579.1	553.2	543.5
12.5°	742.4	742.4	731.1	697.1	647.0	595.2	548.3	514.4	503.0
15°	726.3	724.6	723.0	690.7	634.1	571.0	514.4	475.5	459.4
17.5°	703.6	703.6	706.9	679.4	617.9	545.1	480.4	433.5	414.1
20°	676.1	679.4	684.2	666.4	600.1	520.8	446.4	393.1	375.3
22.5°	647.0	648.6	656.7	648.6	580.7	491.7	412.5	354.2	339.7
25°	614.7	619.5	627.6	626.0	558.0	464.2	373.6	323.5	310.6
27.5°	582.3	587.2	595.2	603.3	535.4	436.7	342.9	296.0	284.7
30°	546.7	550.0	561.3	572.6	509.5	406.0	312.2	273.4	262.0
32.5°	511.1	516.0	527.3	541.9	486.9	378.5	287.9	252.3	242.6
35°	475.5	478.8	491.7	509.5	459.4	351.0	263.7	234.5	226.5
37.5°	435.1	440.0	452.9	473.9	428.6	323.5	242.6	218.4	213.5
40°	402.8	404.4	417.3	440.0	402.8	297.6	224.8	205.4	200.6
42.5°	363.9	368.8	381.7	407.6	375.3	268.5	207.0	190.9	187.6
45°	330.0	333.2	346.1	373.6	346.1	245.9	192.5	179.5	176.3
47.5°	299.2	297.6	313.8	339.7	320.3	221.6	179.5	166.6	165.0
50°	265.3	265.3	278.2	307.3	296.0	202.2	166.6	156.9	153.7
52.5°	236.2	234.5	245.9	278.2	268.5	182.8	153.7	145.6	144.0
55°	207.0	208.7	216.7	247.5	242.6	165.0	140.7	135.9	134.3
57.5°	179.5	181.2	187.6	216.7	218.4	148.8	129.4	124.5	124.5
60°	155.3	155.3	161.8	189.2	192.5	132.6	118.1	114.8	113.2
62.5°	132.6	132.6	139.1	161.8	171.5	118.1	106.8	105.1	105.1
65°	110.0	111.6	116.5	137.5	148.8	105.1	97.1	97.1	95.4
67.5°	89.0	90.6	97.1	116.5	126.2	92.2	85.7	87.3	87.3
70°	69.6	72.8	79.3	92.2	105.1	77.6	76.0	77.6	77.6
72.5°	51.8	55.0	61.5	72.8	84.1	64.7	64.7	66.3	67.9
75°	35.6	37.2	43.7	53.4	63.1	51.8	53.4	56.6	56.6
77.5°	24.3	25.9	29.1	35.6	43.7	38.8	42.1	45.3	46.9
80°	14.6	14.6	17.8	21.0	25.9	25.9	29.1	32.4	34.0
82.5°	6.5	6.5	8.1	9.7	11.3	12.9	16.2	16.2	17.8
85°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	4.9
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)