

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: P303469

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303469
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 PR6M12WW8FSMW 1000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1007.2 lumens
Efficiency: N/A
Efficacy: 96.8 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

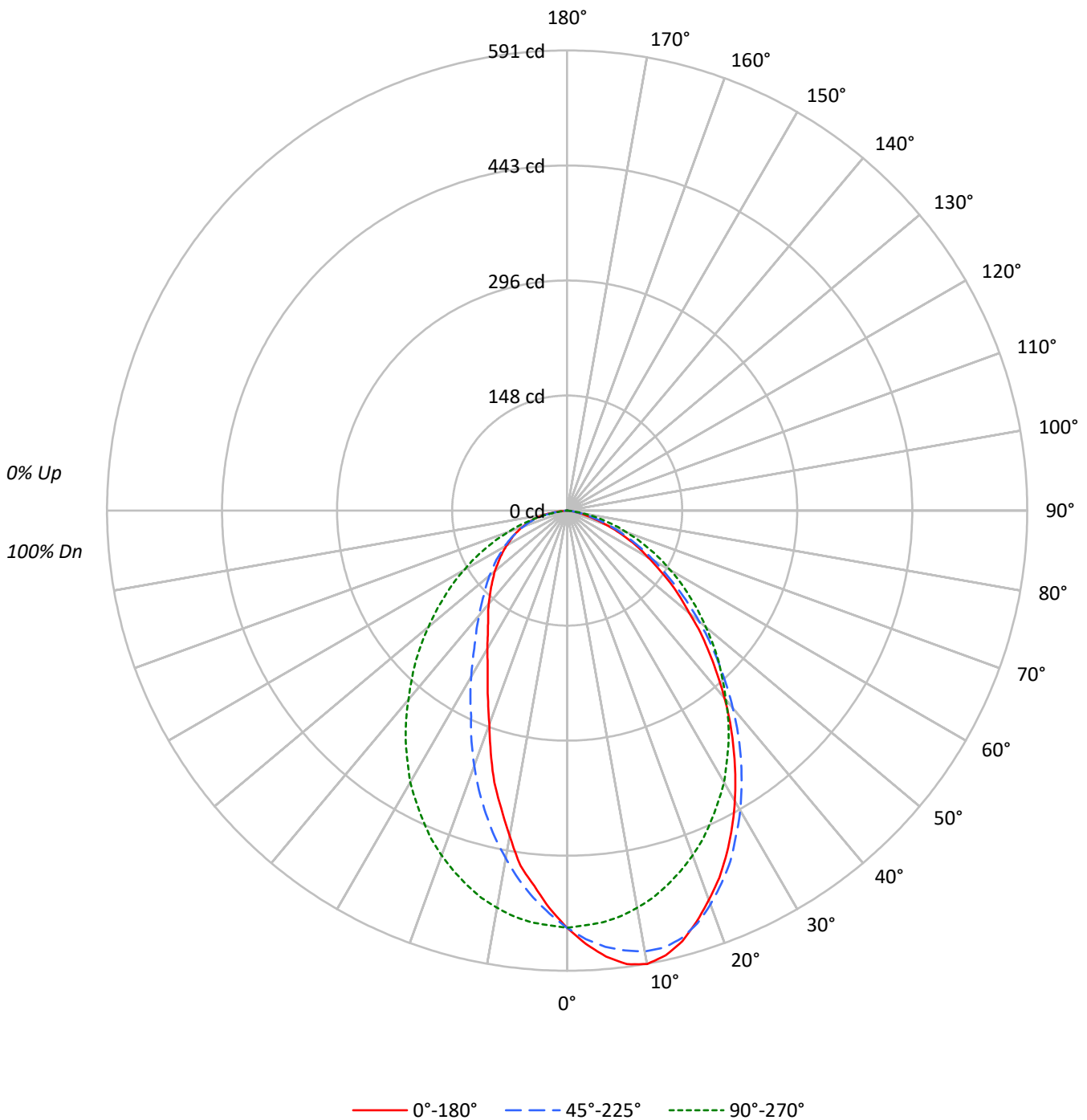
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34956	34956	34956
5°	37650	34755	31691
10°	39179	34323	28129
15°	38661	33622	24410
20°	36935	32721	20266
25°	34927	31565	17370
30°	32461	30367	15421
35°	29691	28783	14089
40°	26793	27015	13345
45°	23786	25419	12705
50°	20776	23598	12312
55°	18392	21850	11932
60°	15658	19951	11704
65°	13261	17938	11701
70°	10129	15432	11579
75°	7008	12427	11469
80°	4283	7589	10445
85°	973	973	2844



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	5.0
10°-20°	135.6	13.5
20°-30°	183.4	18.2
30°-40°	193.0	19.2
40°-50°	172.7	17.2
50°-60°	134.8	13.4
60°-70°	89.4	8.9
70°-80°	42.6	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°	369.0	36.6
0°-40°	562.0	55.8
0°-60°	869.6	86.3
0°-90°	1007.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	536	536	536	536	536	
5°	575	562	531	499	484	55
15°	572	569	498	403	361	160
25°	485	497	438	292	241	223
35°	373	389	361	206	177	233
45°	258	274	276	150	138	199
55°	162	172	192	111	105	144
65°	86	92	116	76	76	85
75°	28	34	49	43	46	31
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°	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8
2.5°	557.2	554.7	550.9	542.1	533.2	524.4	518.1	513.0	511.7
5°	574.9	571.1	562.3	548.4	530.7	514.3	499.1	489.0	483.9
7.5°	587.6	582.5	569.9	550.9	525.6	499.1	477.6	461.2	459.9
10°	591.4	587.6	574.9	550.9	518.1	485.2	453.6	432.1	424.6
12.5°	585.0	583.8	574.9	548.4	509.2	467.5	429.6	401.8	391.7
15°	572.4	572.4	568.6	543.3	497.8	449.8	403.1	371.5	361.4
17.5°	553.4	554.7	556.0	535.8	485.2	428.4	376.5	339.9	326.0
20°	532.0	535.8	538.3	524.4	471.3	408.1	348.7	304.5	291.9
22.5°	510.5	513.0	518.1	511.7	456.2	386.7	320.9	276.7	265.4
25°	485.2	487.7	496.6	495.3	438.5	365.2	291.9	252.7	241.3
27.5°	458.7	462.5	470.0	475.1	420.8	342.4	269.1	231.2	221.1
30°	430.9	434.7	444.8	453.6	403.1	319.7	246.4	212.3	204.7
32.5°	401.8	405.6	417.0	429.6	381.6	296.9	224.9	197.1	189.5
35°	372.8	376.5	389.2	401.8	361.4	274.2	206.0	183.2	176.9
37.5°	343.7	347.5	360.1	376.5	339.9	254.0	190.8	170.6	166.8
40°	314.6	318.4	331.1	350.0	317.2	231.2	175.6	159.2	156.7
42.5°	285.6	290.6	302.0	322.2	295.7	211.0	163.0	150.4	146.6
45°	257.8	261.6	274.2	296.9	275.5	192.1	150.4	140.3	137.7
47.5°	232.5	233.8	247.7	270.4	254.0	174.4	140.3	131.4	128.9
50°	204.7	209.8	221.1	245.1	232.5	157.9	130.1	122.6	121.3
52.5°	183.2	184.5	195.9	221.1	212.3	142.8	120.0	115.0	112.5
55°	161.7	164.3	171.8	195.9	192.1	128.9	111.2	106.1	104.9
57.5°	139.0	141.5	149.1	173.1	173.1	116.2	101.1	97.3	97.3
60°	120.0	122.6	128.9	150.4	152.9	104.9	93.5	91.0	89.7
62.5°	103.6	104.9	109.9	130.1	135.2	92.2	84.7	83.4	82.1
65°	85.9	87.2	92.2	109.9	116.2	82.1	75.8	75.8	75.8
67.5°	69.5	70.8	75.8	89.7	98.6	70.8	68.2	68.2	68.2
70°	53.1	55.6	60.7	72.0	80.9	60.7	59.4	60.7	60.7
72.5°	39.2	41.7	46.8	56.9	65.7	50.5	51.8	53.1	54.3
75°	27.8	29.1	34.1	41.7	49.3	40.4	43.0	44.2	45.5
77.5°	19.0	20.2	22.7	29.1	35.4	30.3	32.9	35.4	37.9
80°	11.4	11.4	12.6	16.4	20.2	20.2	22.7	26.5	27.8
82.5°	5.1	5.1	6.3	7.6	8.8	10.1	12.6	13.9	13.9
85°	1.3	1.3	1.3	1.3	1.3	2.5	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)