

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: P303467

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303467
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 1000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 924.1 lumens
Efficiency: N/A
Efficacy: 88.9 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

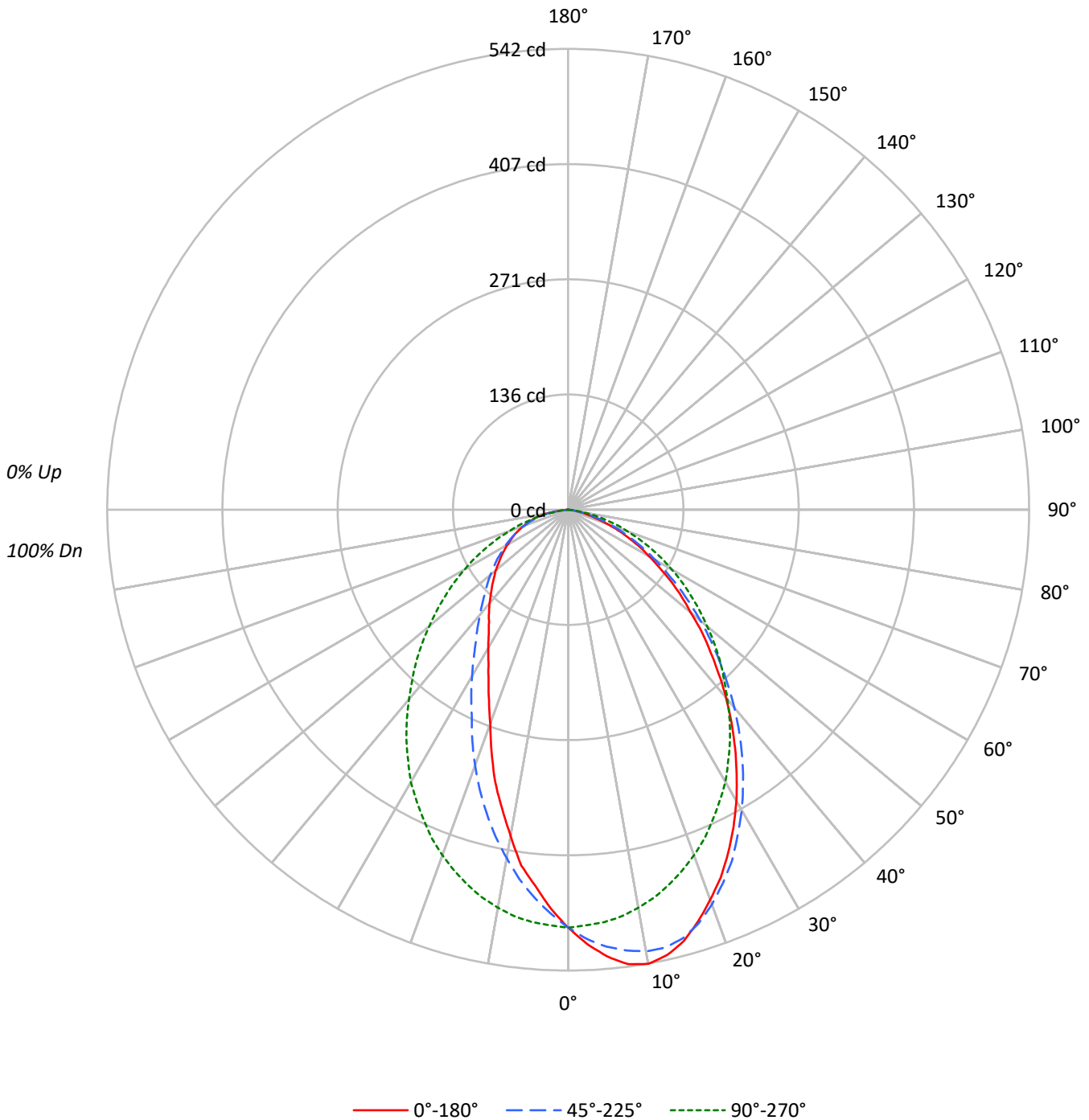
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	32066	32066	32066
5°	34546	31887	29077
10°	35939	31487	25803
15°	35473	30853	22397
20°	33888	30021	18593
25°	32048	28960	15937
30°	29779	27858	14148
35°	27238	26410	12926
40°	24587	24783	12247
45°	21820	23315	11662
50°	19061	21649	11297
55°	16880	20042	10942
60°	14366	18307	10739
65°	12165	16472	10744
70°	9290	14154	10606
75°	6428	11394	10511
80°	3907	6951	9580
85°	898	898	2620



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	5.0
10°-20°	124.4	13.5
20°-30°	168.2	18.2
30°-40°	177.1	19.2
40°-50°	158.5	17.2
50°-60°	123.7	13.4
60°-70°	82.0	8.9
70°-80°	39.1	4.2
80°-90°	5.2	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°	338.6	36.6
0°-40°	515.6	55.8
0°-60°	797.8	86.3
0°-90°	924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	492	492	492	492	492	
5°	528	516	487	458	444	51
15°	525	522	457	370	332	147
25°	445	456	402	268	221	204
35°	342	357	332	189	162	214
45°	236	252	253	138	126	183
55°	148	158	176	102	96	132
65°	79	85	107	70	70	78
75°	26	31	45	39	42	29
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°	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5	491.5
2.5°	511.2	508.9	505.4	497.3	489.2	481.1	475.3	470.7	469.5
5°	527.5	524.0	515.9	503.1	486.9	471.8	457.9	448.6	444.0
7.5°	539.1	534.4	522.8	505.4	482.3	457.9	438.2	423.1	422.0
10°	542.5	539.1	527.5	505.4	475.3	445.2	416.2	396.5	389.5
12.5°	536.7	535.6	527.5	503.1	467.2	428.9	394.2	368.7	359.4
15°	525.2	525.2	521.7	498.5	456.8	412.7	369.8	340.8	331.6
17.5°	507.8	508.9	510.1	491.5	445.2	393.0	345.5	311.8	299.1
20°	488.1	491.5	493.9	481.1	432.4	374.4	320.0	279.4	267.8
22.5°	468.4	470.7	475.3	469.5	418.5	354.7	294.5	253.9	243.4
25°	445.2	447.5	455.6	454.4	402.3	335.0	267.8	231.9	221.4
27.5°	420.8	424.3	431.3	435.9	386.0	314.2	246.9	212.1	202.9
30°	395.3	398.8	408.1	416.2	369.8	293.3	226.1	194.8	187.8
32.5°	368.7	372.1	382.6	394.2	350.1	272.4	206.4	180.8	173.9
35°	342.0	345.5	357.1	368.7	331.6	251.6	189.0	168.1	162.3
37.5°	315.3	318.8	330.4	345.5	311.8	233.0	175.1	156.5	153.0
40°	288.7	292.1	303.7	321.1	291.0	212.1	161.1	146.1	143.8
42.5°	262.0	266.6	277.1	295.6	271.3	193.6	149.5	138.0	134.5
45°	236.5	240.0	251.6	272.4	252.7	176.2	138.0	128.7	126.4
47.5°	213.3	214.5	227.2	248.1	233.0	160.0	128.7	120.6	118.2
50°	187.8	192.4	202.9	224.9	213.3	144.9	119.4	112.5	111.3
52.5°	168.1	169.3	179.7	202.9	194.8	131.0	110.1	105.5	103.2
55°	148.4	150.7	157.7	179.7	176.2	118.2	102.0	97.4	96.2
57.5°	127.5	129.8	136.8	158.8	158.8	106.7	92.7	89.3	89.3
60°	110.1	112.5	118.2	138.0	140.3	96.2	85.8	83.5	82.3
62.5°	95.1	96.2	100.9	119.4	124.0	84.6	77.7	76.5	75.4
65°	78.8	80.0	84.6	100.9	106.7	75.4	69.6	69.6	69.6
67.5°	63.8	64.9	69.6	82.3	90.4	64.9	62.6	62.6	62.6
70°	48.7	51.0	55.6	66.1	74.2	55.6	54.5	55.6	55.6
72.5°	35.9	38.3	42.9	52.2	60.3	46.4	47.5	48.7	49.8
75°	25.5	26.7	31.3	38.3	45.2	37.1	39.4	40.6	41.7
77.5°	17.4	18.5	20.9	26.7	32.5	27.8	30.1	32.5	34.8
80°	10.4	10.4	11.6	15.1	18.5	18.5	20.9	24.3	25.5
82.5°	4.6	4.6	5.8	7.0	8.1	9.3	11.6	12.8	12.8
85°	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5	3.5
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)