

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: P303470

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303470
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 PR6M12WW9FSMW 1000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 799.3 lumens
Efficiency: N/A
Efficacy: 76.9 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

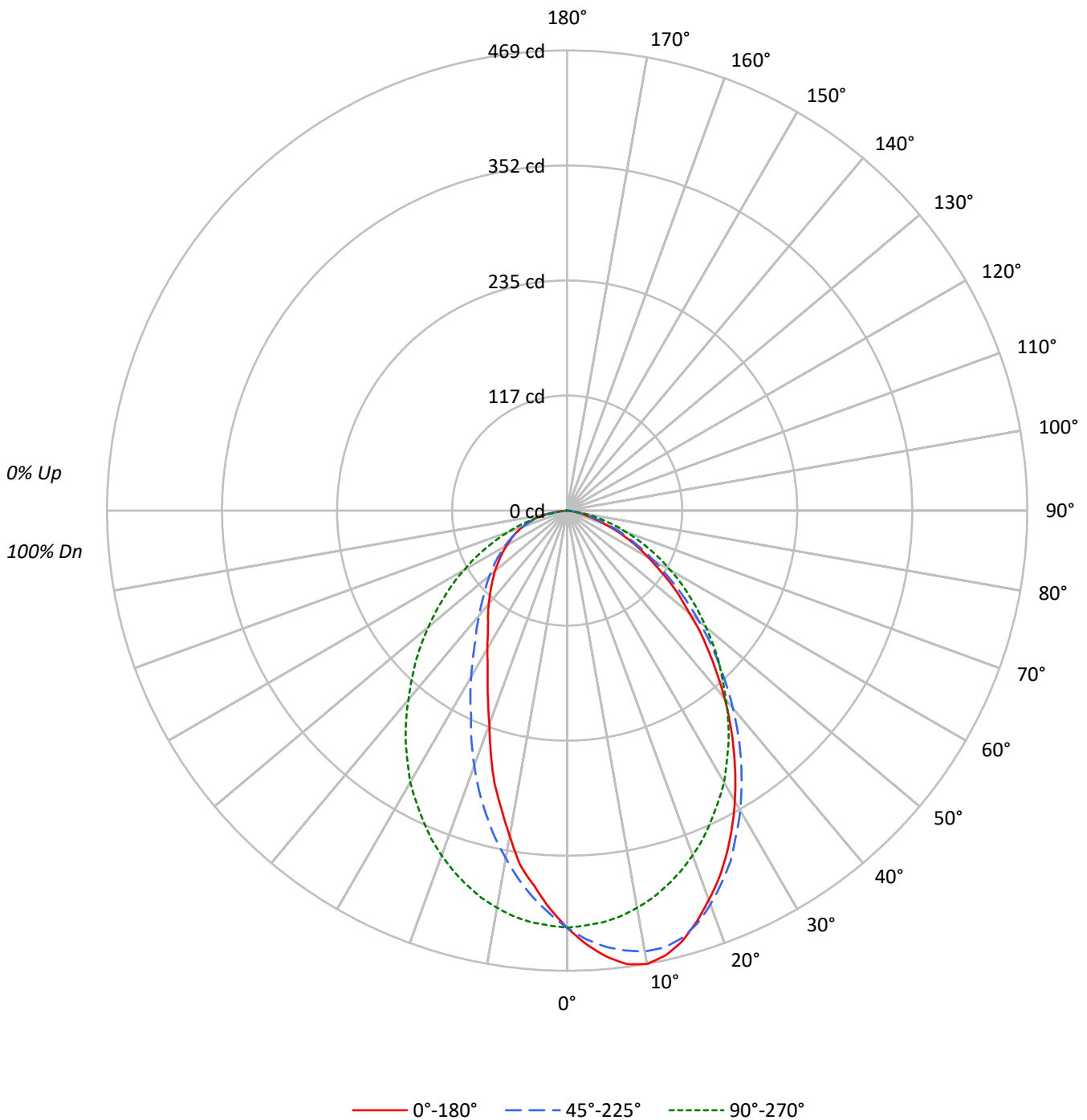
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27740	27740	27740
5°	29876	27578	25148
10°	31090	27234	22319
15°	30678	26686	19371
20°	29312	25966	16079
25°	27721	25044	13785
30°	25756	24099	12234
35°	23559	22842	11182
40°	21266	21436	10586
45°	18877	20169	10084
50°	16483	18726	9774
55°	14605	17335	9463
60°	12435	15827	9290
65°	10528	14249	9293
70°	8031	12246	9175
75°	5571	9856	9100
80°	3381	6011	8303
85°	749	749	2246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	5.0
10°-20°	107.6	13.5
20°-30°	145.5	18.2
30°-40°	153.1	19.2
40°-50°	137.1	17.2
50°-60°	107.0	13.4
60°-70°	70.9	8.9
70°-80°	33.8	4.2
80°-90°	4.5	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°	292.9	36.6
0°-40°	446.0	55.8
0°-60°	690.1	86.3
0°-90°	799.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	425	425	425	425	425	
5°	456	446	421	396	384	44
15°	454	451	395	320	287	127
25°	385	394	348	232	192	177
35°	296	309	287	163	140	185
45°	205	218	219	119	109	158
55°	128	136	152	88	83	114
65°	68	73	92	60	60	68
75°	22	27	39	34	36	25
85°	1	1	1	3	3	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°	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2
2.5°	442.2	440.2	437.2	430.2	423.2	416.1	411.1	407.1	406.1
5°	456.2	453.2	446.2	435.2	421.1	408.1	396.1	388.1	384.0
7.5°	466.3	462.3	452.2	437.2	417.1	396.1	379.0	366.0	365.0
10°	469.3	466.3	456.2	437.2	411.1	385.1	360.0	342.9	336.9
12.5°	464.3	463.3	456.2	435.2	404.1	371.0	340.9	318.9	310.8
15°	454.2	454.2	451.2	431.2	395.1	357.0	319.9	294.8	286.8
17.5°	439.2	440.2	441.2	425.2	385.1	339.9	298.8	269.7	258.7
20°	422.2	425.2	427.2	416.1	374.0	323.9	276.8	241.7	231.6
22.5°	405.1	407.1	411.1	406.1	362.0	306.8	254.7	219.6	210.6
25°	385.1	387.1	394.1	393.1	347.9	289.8	231.6	200.5	191.5
27.5°	364.0	367.0	373.0	377.0	333.9	271.7	213.6	183.5	175.5
30°	341.9	344.9	353.0	360.0	319.9	253.7	195.5	168.5	162.4
32.5°	318.9	321.9	330.9	340.9	302.8	235.6	178.5	156.4	150.4
35°	295.8	298.8	308.8	318.9	286.8	217.6	163.4	145.4	140.4
37.5°	272.7	275.8	285.8	298.8	269.7	201.5	151.4	135.4	132.4
40°	249.7	252.7	262.7	277.8	251.7	183.5	139.4	126.3	124.3
42.5°	226.6	230.6	239.7	255.7	234.6	167.5	129.4	119.3	116.3
45°	204.6	207.6	217.6	235.6	218.6	152.4	119.3	111.3	109.3
47.5°	184.5	185.5	196.5	214.6	201.5	138.4	111.3	104.3	102.3
50°	162.4	166.5	175.5	194.5	184.5	125.3	103.3	97.3	96.3
52.5°	145.4	146.4	155.4	175.5	168.5	113.3	95.3	91.2	89.2
55°	128.4	130.4	136.4	155.4	152.4	102.3	88.2	84.2	83.2
57.5°	110.3	112.3	118.3	137.4	137.4	92.3	80.2	77.2	77.2
60°	95.3	97.3	102.3	119.3	121.3	83.2	74.2	72.2	71.2
62.5°	82.2	83.2	87.2	103.3	107.3	73.2	67.2	66.2	65.2
65°	68.2	69.2	73.2	87.2	92.3	65.2	60.2	60.2	60.2
67.5°	55.2	56.2	60.2	71.2	78.2	56.2	54.1	54.1	54.1
70°	42.1	44.1	48.1	57.2	64.2	48.1	47.1	48.1	48.1
72.5°	31.1	33.1	37.1	45.1	52.1	40.1	41.1	42.1	43.1
75°	22.1	23.1	27.1	33.1	39.1	32.1	34.1	35.1	36.1
77.5°	15.0	16.0	18.0	23.1	28.1	24.1	26.1	28.1	30.1
80°	9.0	9.0	10.0	13.0	16.0	16.0	18.0	21.1	22.1
82.5°	4.0	4.0	5.0	6.0	7.0	8.0	10.0	11.0	11.0
85°	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	3.0
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)