

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: P303471

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303471
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 1000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 797.1 lumens
Efficiency: N/A
Efficacy: 78.9 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

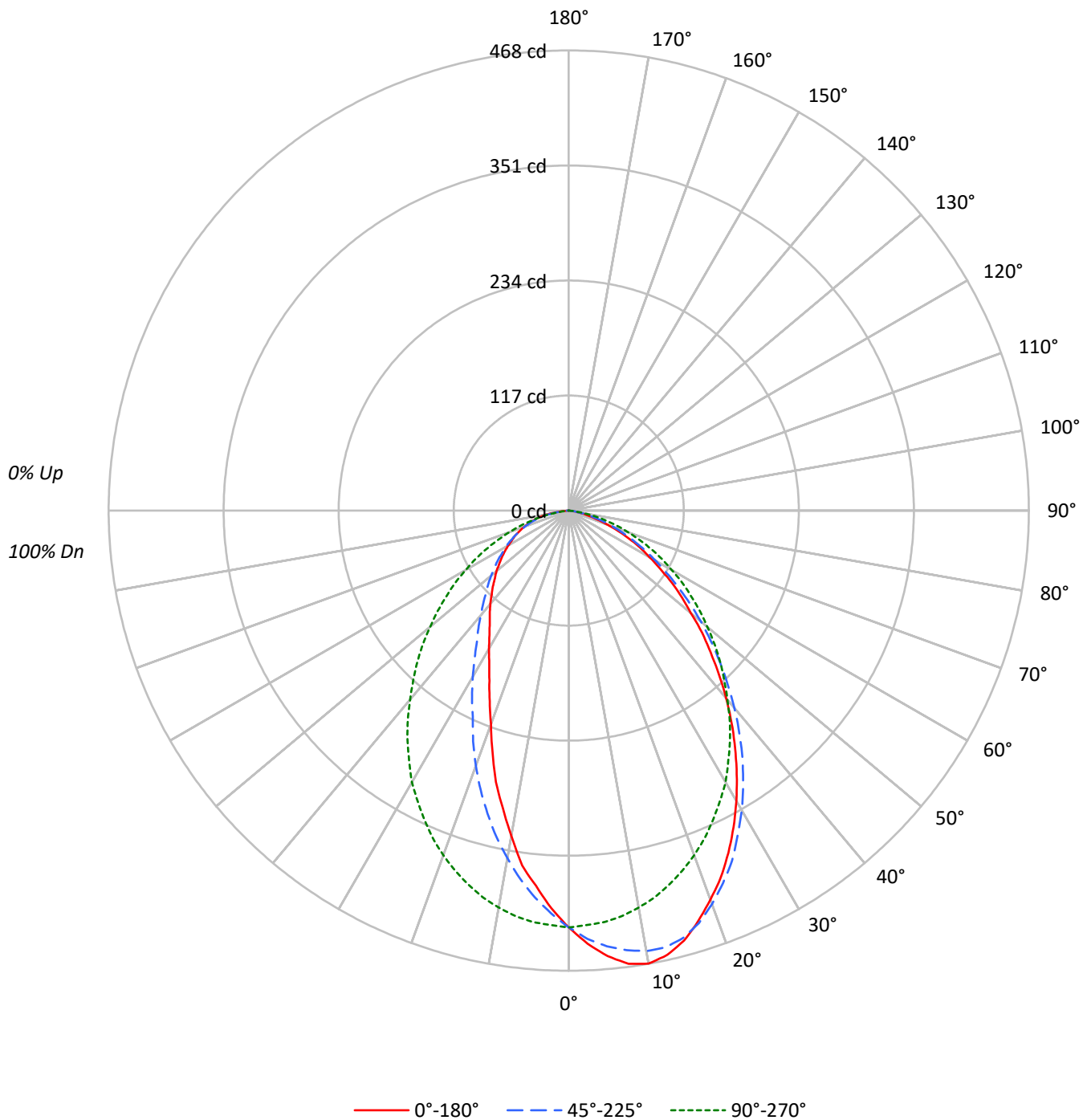
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	110	106	103	99	108	104	101	98	100	97	95		96	94	92		87
2	102	94	88	83	99	92	87	82	89	84	80		86	82	79		75
3	94	84	77	71	91	83	76	70	80	74	69		77	72	68		65
4	86	76	68	62	84	74	67	61	72	65	60		70	64	60		57
5	80	68	60	54	78	67	60	54	65	58	53		63	57	53		50
6	74	62	54	48	73	61	53	48	59	53	47		58	52	47		45
7	69	57	49	43	68	56	48	43	55	48	43		53	47	42		40
8	65	52	44	39	63	52	44	39	50	43	39		49	43	38		36
9	61	48	41	35	60	48	40	35	47	40	35		46	39	35		33
10	57	45	37	32	56	44	37	32	43	37	32		43	36	32		30

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	27656	27656	27656
5°	29791	27506	25083
10°	30997	27161	22259
15°	30590	26612	19317
20°	29229	25897	16038
25°	27642	24979	13749
30°	25689	24031	12204
35°	23495	22778	11150
40°	21206	21377	10561
45°	18822	20114	10057
50°	16442	18675	9744
55°	14559	17289	9441
60°	12396	15788	9264
65°	10497	14202	9262
70°	8012	12208	9156
75°	5546	9831	9075
80°	3381	6011	8266
85°	749	749	2246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	5.0
10°-20°	107.3	13.5
20°-30°	145.1	18.2
30°-40°	152.7	19.2
40°-50°	136.7	17.2
50°-60°	106.7	13.4
60°-70°	70.7	8.9
70°-80°	33.7	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°	292.1	36.6
0°-40°	444.8	55.8
0°-60°	688.2	86.3
0°-90°	797.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	424	424	424	424	424	
5°	455	445	420	395	383	44
15°	453	450	394	319	286	127
25°	384	393	347	231	191	176
35°	295	308	286	163	140	184
45°	204	217	218	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°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9
2.5°	440.9	438.9	435.9	428.9	421.9	415.0	410.0	406.0	405.0
5°	454.9	451.9	444.9	433.9	420.0	407.0	395.0	387.0	383.0
7.5°	464.9	460.9	450.9	435.9	416.0	395.0	378.0	365.0	364.0
10°	467.9	464.9	454.9	435.9	410.0	384.0	359.0	342.0	336.0
12.5°	462.9	461.9	454.9	433.9	403.0	370.0	340.0	318.0	310.0
15°	452.9	452.9	449.9	429.9	394.0	356.0	319.0	294.0	286.0
17.5°	437.9	438.9	439.9	423.9	384.0	339.0	298.0	269.0	258.0
20°	421.0	423.9	425.9	415.0	373.0	323.0	276.0	241.0	231.0
22.5°	404.0	406.0	410.0	405.0	361.0	306.0	254.0	219.0	210.0
25°	384.0	386.0	393.0	392.0	347.0	289.0	231.0	200.0	191.0
27.5°	363.0	366.0	372.0	376.0	333.0	271.0	213.0	183.0	175.0
30°	341.0	344.0	352.0	359.0	319.0	253.0	195.0	168.0	162.0
32.5°	318.0	321.0	330.0	340.0	302.0	235.0	178.0	156.0	150.0
35°	295.0	298.0	308.0	318.0	286.0	217.0	163.0	145.0	140.0
37.5°	272.0	275.0	285.0	298.0	269.0	201.0	151.0	135.0	132.0
40°	249.0	252.0	262.0	277.0	251.0	183.0	139.0	126.0	124.0
42.5°	226.0	230.0	239.0	255.0	234.0	167.0	129.0	119.0	116.0
45°	204.0	207.0	217.0	235.0	218.0	152.0	119.0	111.0	109.0
47.5°	184.0	185.0	196.0	214.0	201.0	138.0	111.0	104.0	102.0
50°	162.0	166.0	175.0	194.0	184.0	125.0	103.0	97.0	96.0
52.5°	145.0	146.0	155.0	175.0	168.0	113.0	95.0	91.0	89.0
55°	128.0	130.0	136.0	155.0	152.0	102.0	88.0	84.0	83.0
57.5°	110.0	112.0	118.0	137.0	137.0	92.0	80.0	77.0	77.0
60°	95.0	97.0	102.0	119.0	121.0	83.0	74.0	72.0	71.0
62.5°	82.0	83.0	87.0	103.0	107.0	73.0	67.0	66.0	65.0
65°	68.0	69.0	73.0	87.0	92.0	65.0	60.0	60.0	60.0
67.5°	55.0	56.0	60.0	71.0	78.0	56.0	54.0	54.0	54.0
70°	42.0	44.0	48.0	57.0	64.0	48.0	47.0	48.0	48.0
72.5°	31.0	33.0	37.0	45.0	52.0	40.0	41.0	42.0	43.0
75°	22.0	23.0	27.0	33.0	39.0	32.0	34.0	35.0	36.0
77.5°	15.0	16.0	18.0	23.0	28.0	24.0	26.0	28.0	30.0
80°	9.0	9.0	10.0	13.0	16.0	16.0	18.0	21.0	22.0
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)