

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: P303473

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 1500Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303473
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 1500Lm3000K
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: 1183.0 lumens
Efficiency: N/A
Efficacy: 85.1 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

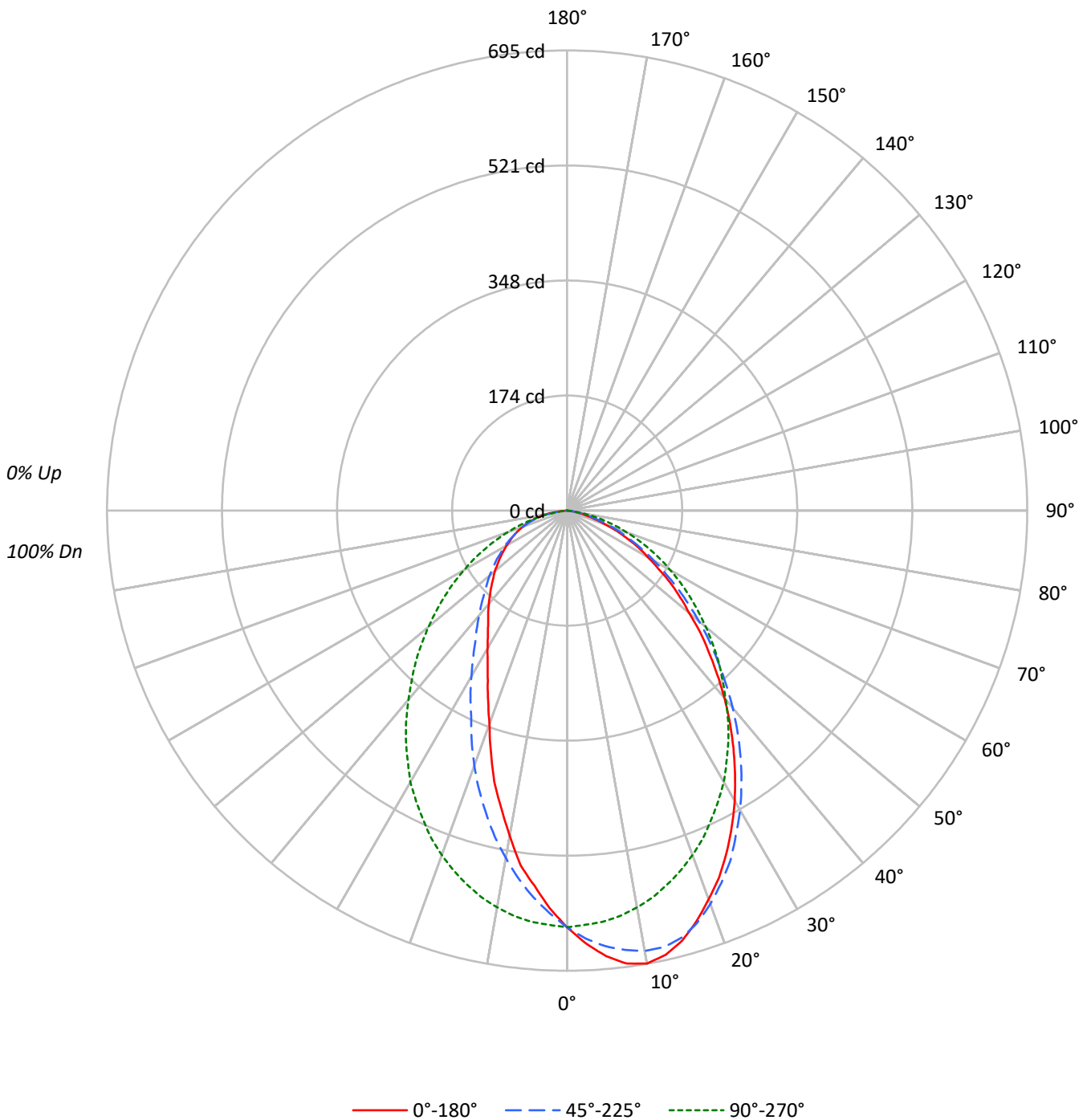
Input Watts (W): 13.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	41056	41056	41056
5°	44225	40820	37224
10°	46015	40311	33037
15°	45409	39492	28672
20°	43378	38435	23800
25°	41024	37072	20408
30°	38126	35663	18110
35°	34868	33809	16550
40°	31469	31724	15670
45°	27938	29847	14928
50°	24400	27719	14463
55°	21611	25661	14013
60°	18398	23434	13753
65°	15576	21072	13739
70°	11884	18121	13581
75°	8243	14595	13461
80°	5034	8904	12286
85°	1123	1123	3368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	5.0
10°-20°	159.2	13.5
20°-30°	215.4	18.2
30°-40°	226.7	19.2
40°-50°	202.9	17.2
50°-60°	158.3	13.4
60°-70°	105.0	8.9
70°-80°	50.1	4.2
80°-90°	6.6	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°	433.5	36.6
0°-40°	660.1	55.8
0°-60°	1021.3	86.3
0°-90°	1183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1183.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	629	629	629	629	629	
5°	675	660	623	586	568	65
15°	672	668	585	473	424	188
25°	570	583	515	343	284	261
35°	438	457	424	242	208	273
45°	303	322	324	177	162	234
55°	190	202	226	131	123	169
65°	101	108	136	89	89	100
75°	33	40	58	50	53	37
85°	2	2	2	4	4	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°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	654.5	651.5	647.1	636.7	626.3	615.9	608.5	602.5	601.1
5°	675.3	670.8	660.4	644.1	623.3	604.0	586.2	574.3	568.4
7.5°	690.1	684.2	669.3	647.1	617.4	586.2	561.0	541.7	540.2
10°	694.6	690.1	675.3	647.1	608.5	569.9	532.8	507.6	498.7
12.5°	687.1	685.7	675.3	644.1	598.1	549.1	504.6	471.9	460.1
15°	672.3	672.3	667.8	638.2	584.7	528.3	473.4	436.3	424.5
17.5°	650.0	651.5	653.0	629.3	569.9	503.1	442.3	399.2	382.9
20°	624.8	629.3	632.2	615.9	553.6	479.4	409.6	357.7	342.8
22.5°	599.6	602.5	608.5	601.1	535.8	454.1	377.0	325.0	311.7
25°	569.9	572.9	583.3	581.8	515.0	428.9	342.8	296.8	283.5
27.5°	538.7	543.2	552.1	558.0	494.2	402.2	316.1	271.6	259.7
30°	506.1	510.5	522.4	532.8	473.4	375.5	289.4	249.3	240.4
32.5°	471.9	476.4	489.8	504.6	448.2	348.8	264.2	231.5	222.6
35°	437.8	442.3	457.1	471.9	424.5	322.1	241.9	215.2	207.8
37.5°	403.7	408.1	423.0	442.3	399.2	298.3	224.1	200.4	195.9
40°	369.5	374.0	388.8	411.1	372.5	271.6	206.3	187.0	184.0
42.5°	335.4	341.3	354.7	378.4	347.3	247.8	191.4	176.6	172.2
45°	302.8	307.2	322.1	348.8	323.5	225.6	176.6	164.7	161.8
47.5°	273.1	274.6	290.9	317.6	298.3	204.8	164.7	154.3	151.4
50°	240.4	246.4	259.7	287.9	273.1	185.5	152.9	144.0	142.5
52.5°	215.2	216.7	230.0	259.7	249.3	167.7	141.0	135.1	132.1
55°	190.0	192.9	201.8	230.0	225.6	151.4	130.6	124.7	123.2
57.5°	163.3	166.2	175.1	203.3	203.3	136.5	118.7	114.3	114.3
60°	141.0	144.0	151.4	176.6	179.6	123.2	109.8	106.9	105.4
62.5°	121.7	123.2	129.1	152.9	158.8	108.3	99.4	98.0	96.5
65°	100.9	102.4	108.3	129.1	136.5	96.5	89.0	89.0	89.0
67.5°	81.6	83.1	89.0	105.4	115.8	83.1	80.1	80.1	80.1
70°	62.3	65.3	71.2	84.6	95.0	71.2	69.8	71.2	71.2
72.5°	46.0	49.0	54.9	66.8	77.2	59.4	60.8	62.3	63.8
75°	32.7	34.1	40.1	49.0	57.9	47.5	50.5	51.9	53.4
77.5°	22.3	23.7	26.7	34.1	41.6	35.6	38.6	41.6	44.5
80°	13.4	13.4	14.8	19.3	23.7	23.7	26.7	31.2	32.7
82.5°	5.9	5.9	7.4	8.9	10.4	11.9	14.8	16.3	16.3
85°	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5	4.5
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)