

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: P303527

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12WW8FSBZ 1000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 904.8 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 1.13 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

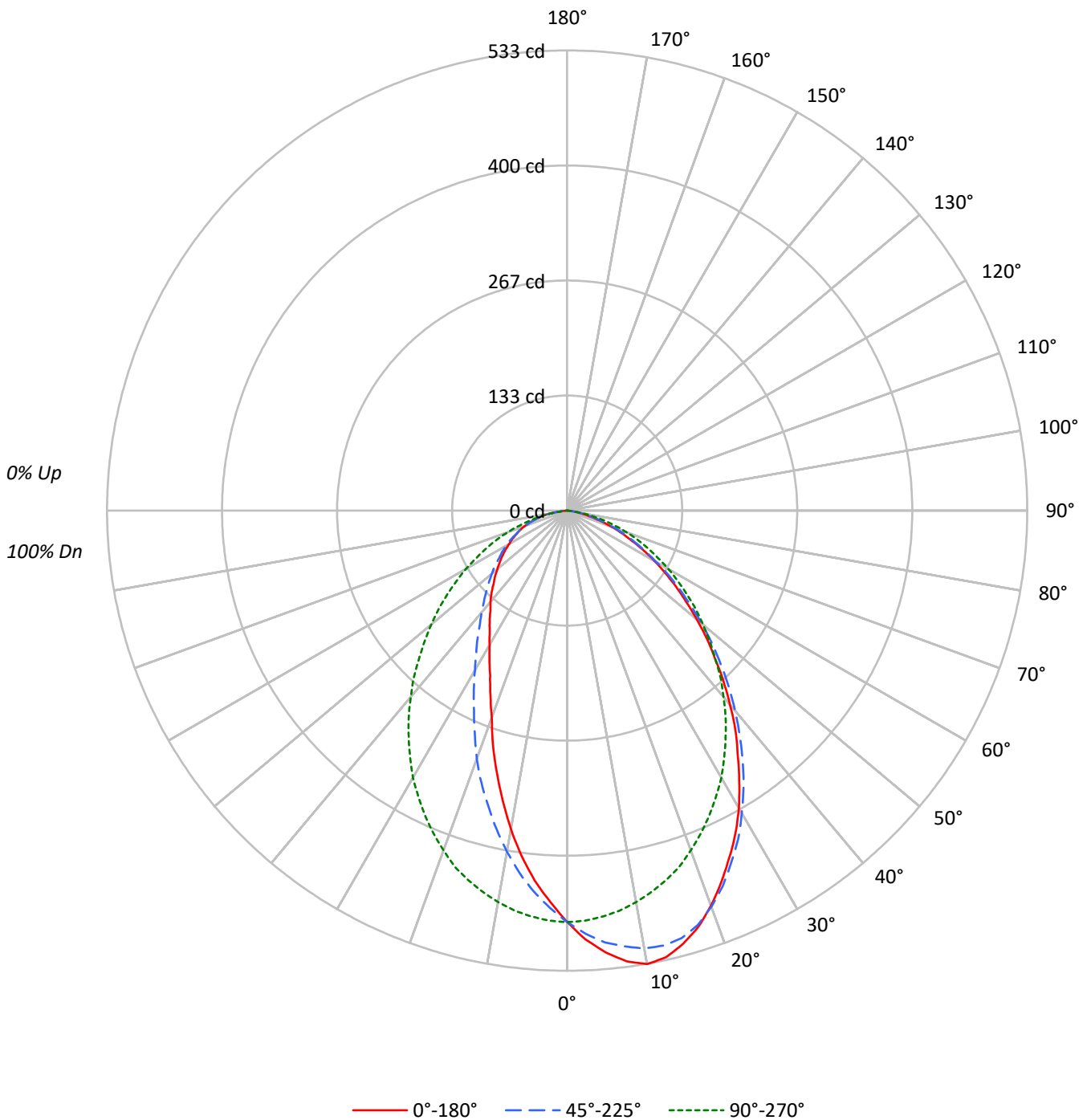
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	74	70	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	41	35	59	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	42	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31094	31094	31094
5°	33642	30911	28174
10°	35336	30500	24816
15°	35088	29921	21228
20°	33811	29062	17711
25°	31969	28045	15196
30°	29968	26909	13537
35°	27429	25494	12464
40°	24988	24000	11753
45°	22365	22365	11127
50°	19893	20837	10708
55°	17539	19257	10419
60°	15279	17706	10138
65°	12705	15931	10019
70°	10396	13944	9957
75°	7310	11116	9352
80°	4809	6988	7852
85°	898	898	1722



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	4.9
10°-20°	121.0	13.4
20°-30°	164.2	18.1
30°-40°	173.5	19.2
40°-50°	155.7	17.2
50°-60°	121.6	13.4
60°-70°	80.9	8.9
70°-80°	38.5	4.3
80°-90°	4.8	0.5
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°	329.8	36.4
0°-40°	503.2	55.6
0°-60°	780.6	86.3
0°-90°	904.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	477	477	477	477	477	
5°	514	502	472	443	430	50
15°	520	513	443	354	314	146
25°	444	450	390	255	211	204
35°	344	355	320	181	156	216
45°	242	252	242	132	121	188
55°	154	159	169	96	92	138
65°	82	87	103	66	65	83
75°	29	34	44	36	37	33
85°	1	1	1	1	2	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°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	497.5	495.2	490.5	483.6	475.4	467.3	460.4	456.9	453.4
5°	513.7	510.2	502.1	488.2	472.0	456.9	443.0	433.7	430.2
7.5°	526.5	521.8	509.1	490.5	467.3	443.0	423.3	408.2	403.5
10°	533.4	528.8	514.9	490.5	460.4	429.1	401.2	381.5	374.6
12.5°	529.9	527.6	516.0	489.4	452.3	412.8	378.0	354.8	344.4
15°	519.5	519.5	512.6	484.7	443.0	397.8	353.7	324.7	314.3
17.5°	505.6	506.8	503.3	478.9	432.5	378.0	330.5	296.9	285.3
20°	487.0	488.2	488.2	469.6	418.6	359.5	306.1	266.7	255.1
22.5°	466.2	468.5	470.8	458.1	404.7	340.9	279.5	242.4	231.9
25°	444.1	446.5	449.9	444.1	389.6	321.2	255.1	220.3	211.1
27.5°	422.1	423.3	429.1	427.9	373.4	301.5	234.2	202.9	194.8
30°	397.8	400.1	404.7	409.3	357.2	280.6	213.4	187.9	179.7
32.5°	371.1	373.4	380.4	386.2	338.6	260.9	196.0	172.8	167.0
35°	344.4	346.7	354.8	363.0	320.1	241.2	180.9	161.2	156.5
37.5°	320.1	322.4	328.2	339.8	301.5	221.5	165.8	150.8	146.1
40°	293.4	295.7	302.7	316.6	281.8	202.9	154.2	140.3	138.0
42.5°	267.9	270.2	277.2	292.2	263.2	185.5	142.6	132.2	129.9
45°	242.4	243.5	251.6	266.7	242.4	168.1	132.2	122.9	120.6
47.5°	219.2	220.3	227.3	244.7	223.8	153.1	122.9	114.8	113.6
50°	196.0	194.8	202.9	220.3	205.3	139.2	113.6	107.8	105.5
52.5°	173.9	173.9	179.7	198.3	187.9	126.4	105.5	99.7	98.6
55°	154.2	154.2	158.9	177.4	169.3	113.6	96.2	92.8	91.6
57.5°	134.5	134.5	139.2	155.4	151.9	102.0	89.3	84.7	84.7
60°	117.1	116.0	119.4	136.8	135.7	91.6	81.2	78.9	77.7
62.5°	99.7	98.6	102.0	117.1	118.3	81.2	74.2	71.9	71.9
65°	82.3	83.5	87.0	99.7	103.2	71.9	66.1	66.1	64.9
67.5°	68.4	69.6	71.9	83.5	88.1	62.6	59.1	59.1	59.1
70°	54.5	55.7	58.0	67.3	73.1	53.3	51.0	52.2	52.2
72.5°	41.7	42.9	45.2	52.2	58.0	44.1	44.1	45.2	45.2
75°	29.0	30.2	33.6	39.4	44.1	34.8	35.9	37.1	37.1
77.5°	19.7	19.7	22.0	26.7	31.3	25.5	27.8	29.0	30.2
80°	12.8	12.8	13.9	16.2	18.6	17.4	18.6	20.9	20.9
82.5°	5.8	5.8	7.0	7.0	8.1	8.1	9.3	9.3	10.4
85°	1.2	2.3	1.2	1.2	1.2	1.2	1.2	2.3	2.3
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)