

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: P303529

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303529  
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 1000lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 986.2 lumens  
Efficiency: N/A  
Efficacy: 94.8 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

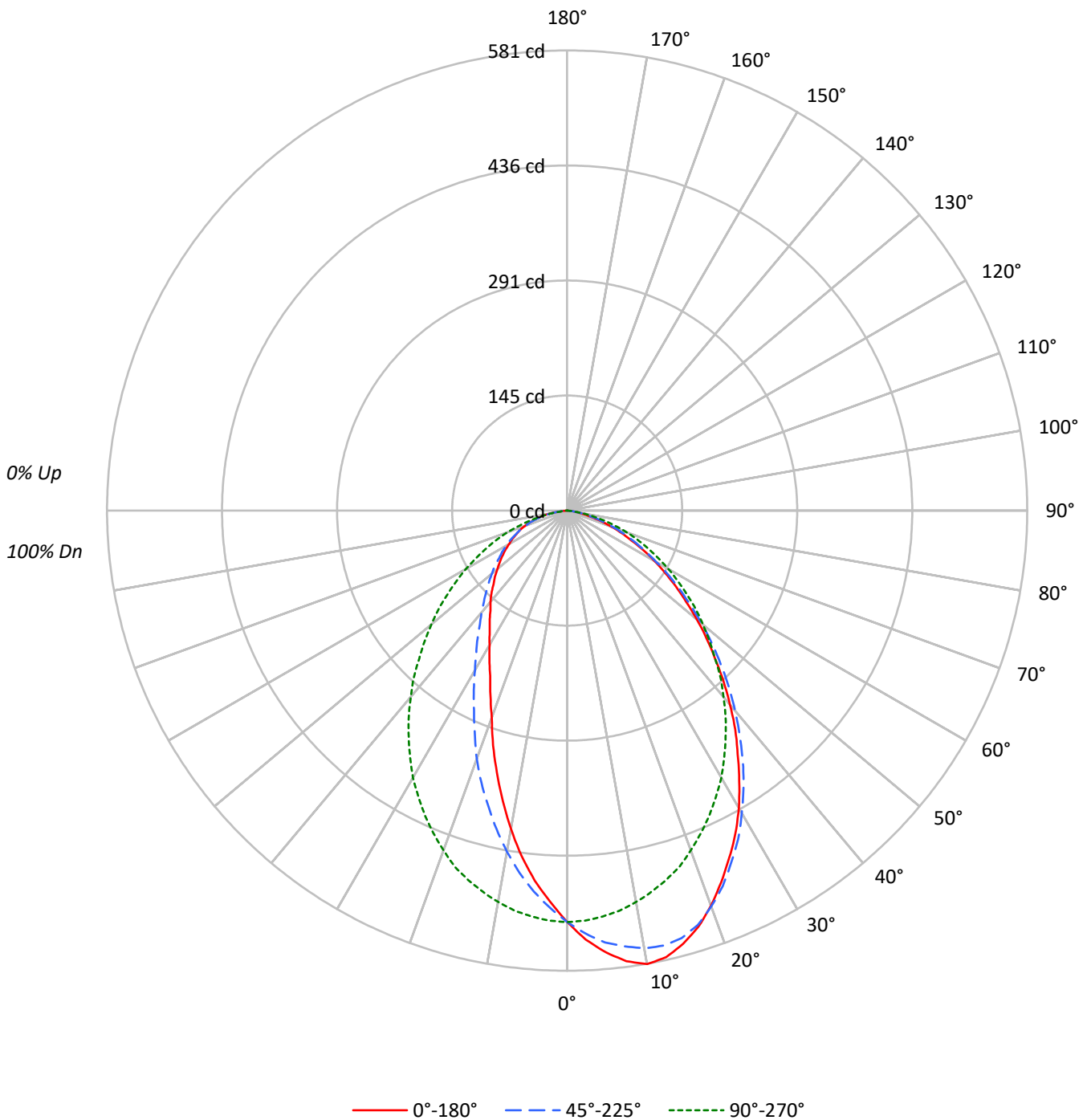
Input Watts (W): 10.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	33893	33893	33893
5°	36668	33688	30708
10°	38516	33243	27049
15°	38242	32609	23133
20°	36859	31680	19308
25°	34848	30572	16557
30°	32657	29327	14758
35°	29898	27780	13587
40°	27236	26154	12809
45°	24376	24376	12133
50°	21680	22705	11672
55°	19120	20986	11363
60°	16662	19298	11052
65°	13847	17367	10930
70°	11331	15184	10854
75°	7965	12099	10184
80°	5222	7589	8566
85°	973	973	1871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	4.9
10°-20°	131.9	13.4
20°-30°	179.0	18.1
30°-40°	189.1	19.2
40°-50°	169.8	17.2
50°-60°	132.5	13.4
60°-70°	88.2	8.9
70°-80°	42.0	4.3
80°-90°	5.3	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°	359.4	36.4
0°-40°	548.5	55.6
0°-60°	850.8	86.3
0°-90°	986.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	520	520	520	520	520	
5°	560	547	514	483	469	54
15°	566	559	483	386	342	159
25°	484	490	425	278	230	223
35°	375	387	349	197	171	235
45°	264	274	264	144	132	204
55°	168	173	184	105	100	151
65°	90	95	112	72	71	91
75°	32	37	48	39	40	36
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°	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5	519.5
2.5°	542.2	539.7	534.6	527.1	518.2	509.4	501.8	498.0	494.2
5°	559.9	556.1	547.3	532.1	514.4	498.0	482.8	472.7	468.9
7.5°	573.8	568.8	554.9	534.6	509.4	482.8	461.3	444.9	439.9
10°	581.4	576.4	561.2	534.6	501.8	467.7	437.3	415.8	408.3
12.5°	577.6	575.1	562.5	533.4	492.9	450.0	412.0	386.8	375.4
15°	566.2	566.2	558.7	528.3	482.8	433.5	385.5	353.9	342.5
17.5°	551.1	552.3	548.6	522.0	471.5	412.0	360.2	323.6	310.9
20°	530.9	532.1	532.1	511.9	456.3	391.8	333.7	290.7	278.1
22.5°	508.1	510.6	513.2	499.3	441.1	371.6	304.6	264.2	252.8
25°	484.1	486.6	490.4	484.1	424.7	350.1	278.1	240.1	230.0
27.5°	460.1	461.3	467.7	466.4	407.0	328.6	255.3	221.2	212.3
30°	433.5	436.1	441.1	446.2	389.3	305.9	232.6	204.8	195.9
32.5°	404.5	407.0	414.6	420.9	369.1	284.4	213.6	188.3	182.0
35°	375.4	377.9	386.8	395.6	348.8	262.9	197.2	175.7	170.6
37.5°	348.8	351.4	357.7	370.3	328.6	241.4	180.7	164.3	159.3
40°	319.8	322.3	329.9	345.1	307.1	221.2	168.1	152.9	150.4
42.5°	292.0	294.5	302.1	318.5	286.9	202.2	155.5	144.1	141.6
45°	264.2	265.4	274.3	290.7	264.2	183.3	144.1	134.0	131.5
47.5°	238.9	240.1	247.7	266.7	243.9	166.8	134.0	125.1	123.9
50°	213.6	212.3	221.2	240.1	223.7	151.7	123.9	117.5	115.0
52.5°	189.6	189.6	195.9	216.1	204.8	137.8	115.0	108.7	107.4
55°	168.1	168.1	173.2	193.4	184.5	123.9	104.9	101.1	99.9
57.5°	146.6	146.6	151.7	169.4	165.6	111.2	97.3	92.3	92.3
60°	127.7	126.4	130.2	149.1	147.9	99.9	88.5	85.9	84.7
62.5°	108.7	107.4	111.2	127.7	128.9	88.5	80.9	78.4	78.4
65°	89.7	91.0	94.8	108.7	112.5	78.4	72.0	72.0	70.8
67.5°	74.6	75.8	78.4	91.0	96.1	68.3	64.5	64.5	64.5
70°	59.4	60.7	63.2	73.3	79.6	58.1	55.6	56.9	56.9
72.5°	45.5	46.8	49.3	56.9	63.2	48.0	48.0	49.3	49.3
75°	31.6	32.9	36.7	43.0	48.0	37.9	39.2	40.4	40.4
77.5°	21.5	21.5	24.0	29.1	34.1	27.8	30.3	31.6	32.9
80°	13.9	13.9	15.2	17.7	20.2	19.0	20.2	22.8	22.8
82.5°	6.3	6.3	7.6	7.6	8.8	8.8	10.1	10.1	11.4
85°	1.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5
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)