

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: P303545

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 3000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303545  
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: PR6FS24D010 PR6M24WW8FSBZ 3000lm3000K  
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: 2110.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 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

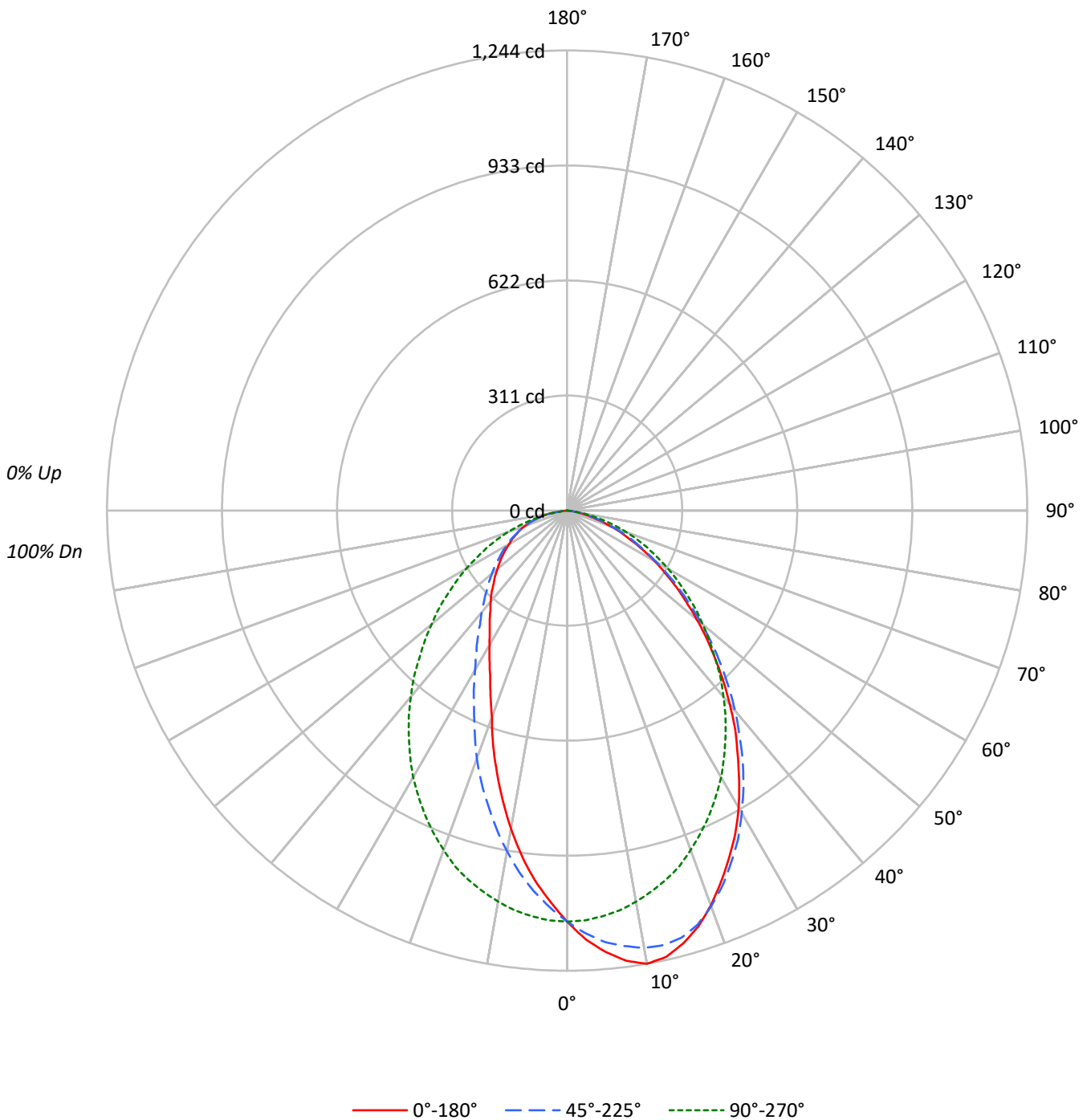
Input Watts (W): 28.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	72508	72508	72508
5°	78457	72078	65706
10°	82405	71123	57867
15°	81827	69771	49495
20°	78856	67775	41302
25°	74555	65406	35431
30°	69872	62745	31580
35°	63970	59446	29078
40°	58270	55962	27406
45°	52148	52148	25945
50°	46384	48576	24978
55°	40914	44906	24296
60°	35634	41284	23643
65°	29640	37157	23372
70°	24244	32504	23214
75°	17040	25913	21804
80°	11158	16268	18297
85°	2021	2021	4042



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	4.9
10°-20°	282.1	13.4
20°-30°	382.9	18.1
30°-40°	404.5	19.2
40°-50°	363.2	17.2
50°-60°	283.6	13.4
60°-70°	188.7	8.9
70°-80°	89.8	4.3
80°-90°	11.3	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°	769.0	36.4
0°-40°	1173.5	55.6
0°-60°	1820.2	86.3
0°-90°	2110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2110.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1111	1111	1111	1111	1111	
5°	1198	1171	1101	1033	1003	116
15°	1212	1195	1033	825	733	340
25°	1036	1049	909	595	492	476
35°	803	828	746	422	365	503
45°	565	587	565	308	281	437
55°	360	370	395	224	214	322
65°	192	203	241	154	151	194
75°	68	78	103	84	86	76
85°	3	3	3	3	5	8
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°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4
2.5°	1160.1	1154.7	1143.9	1127.7	1108.7	1089.8	1073.6	1065.5	1057.3
5°	1198.0	1189.9	1170.9	1138.5	1100.6	1065.5	1033.0	1011.4	1003.3
7.5°	1227.7	1216.9	1187.2	1143.9	1089.8	1033.0	987.0	951.9	941.1
10°	1243.9	1233.1	1200.7	1143.9	1073.6	1000.6	935.7	889.7	873.5
12.5°	1235.8	1230.4	1203.4	1141.2	1054.6	962.7	881.6	827.5	803.2
15°	1211.5	1211.5	1195.3	1130.4	1033.0	927.5	824.8	757.2	732.8
17.5°	1179.0	1181.7	1173.6	1116.8	1008.7	881.6	770.7	692.3	665.2
20°	1135.8	1138.5	1138.5	1095.2	976.2	838.3	713.9	622.0	594.9
22.5°	1087.1	1092.5	1097.9	1068.2	943.8	795.0	651.7	565.2	540.8
25°	1035.7	1041.1	1049.2	1035.7	908.6	749.1	594.9	513.8	492.2
27.5°	984.3	987.0	1000.6	997.9	870.8	703.1	546.3	473.2	454.3
30°	927.5	933.0	943.8	954.6	832.9	654.4	497.6	438.1	419.2
32.5°	865.3	870.8	887.0	900.5	789.6	608.4	457.0	402.9	389.4
35°	803.2	808.6	827.5	846.4	746.4	562.5	421.9	375.9	365.1
37.5°	746.4	751.8	765.3	792.3	703.1	516.5	386.7	351.5	340.7
40°	684.2	689.6	705.8	738.3	657.1	473.2	359.7	327.2	321.8
42.5°	624.7	630.1	646.3	681.5	613.9	432.7	332.6	308.3	302.9
45°	565.2	567.9	586.8	622.0	565.2	392.1	308.3	286.6	281.2
47.5°	511.1	513.8	530.0	570.6	521.9	357.0	286.6	267.7	265.0
50°	457.0	454.3	473.2	513.8	478.6	324.5	265.0	251.5	246.1
52.5°	405.6	405.6	419.2	462.4	438.1	294.8	246.1	232.6	229.9
55°	359.7	359.7	370.5	413.7	394.8	265.0	224.4	216.3	213.6
57.5°	313.7	313.7	324.5	362.4	354.3	238.0	208.2	197.4	197.4
60°	273.1	270.4	278.5	319.1	316.4	213.6	189.3	183.9	181.2
62.5°	232.6	229.9	238.0	273.1	275.8	189.3	173.1	167.7	167.7
65°	192.0	194.7	202.8	232.6	240.7	167.7	154.1	154.1	151.4
67.5°	159.5	162.3	167.7	194.7	205.5	146.0	137.9	137.9	137.9
70°	127.1	129.8	135.2	156.8	170.4	124.4	119.0	121.7	121.7
72.5°	97.4	100.1	105.5	121.7	135.2	102.8	102.8	105.5	105.5
75°	67.6	70.3	78.4	91.9	102.8	81.1	83.8	86.5	86.5
77.5°	46.0	46.0	51.4	62.2	73.0	59.5	64.9	67.6	70.3
80°	29.7	29.7	32.5	37.9	43.3	40.6	43.3	48.7	48.7
82.5°	13.5	13.5	16.2	16.2	18.9	18.9	21.6	21.6	24.3
85°	2.7	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4
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)