

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: P303554

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSBZ 4000Lm3000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303554  
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 PR6M24WW9FSBZ 4000lm3000K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2890.1 lumens  
Efficiency: N/A  
Efficacy: 64.2 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

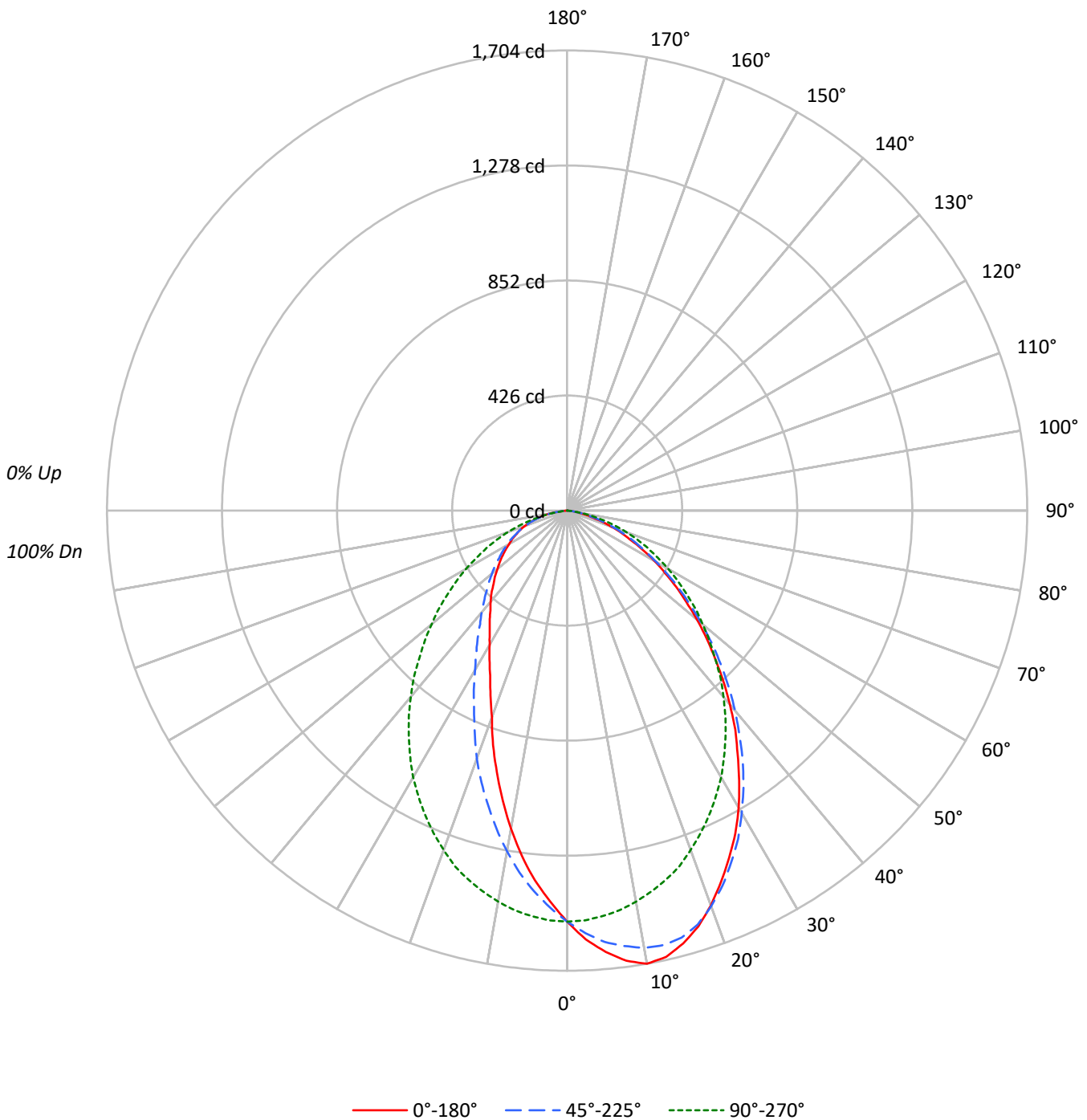
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	99316	99316	99316
5°	107462	98726	89996
10°	112872	97416	79258
15°	112079	95565	67799
20°	108009	92832	56577
25°	102118	89585	48525
30°	95711	85940	43249
35°	87616	81420	39822
40°	79809	76658	37541
45°	71422	71422	35540
50°	63537	66541	34214
55°	56030	61513	33281
60°	48813	56551	32385
65°	40600	50897	32017
70°	33210	44521	31798
75°	23342	35492	29870
80°	15291	22279	25060
85°	2770	2770	5539



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.5	4.9
10°-20°	386.4	13.4
20°-30°	524.4	18.1
30°-40°	554.0	19.2
40°-50°	497.5	17.2
50°-60°	388.4	13.4
60°-70°	258.4	8.9
70°-80°	123.0	4.3
80°-90°	15.4	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°	1053.3	36.4
0°-40°	1607.3	55.6
0°-60°	2493.2	86.3
0°-90°	2890.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1522	1522	1522	1522	1522	
5°	1641	1604	1508	1415	1374	158
15°	1659	1637	1415	1130	1004	465
25°	1419	1437	1244	815	674	652
35°	1100	1133	1022	578	500	689
45°	774	804	774	422	385	599
55°	493	507	541	307	293	441
65°	263	278	330	211	207	265
75°	93	107	141	115	118	104
85°	4	4	4	4	7	12
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°	1522.3	1522.3	1522.3	1522.3	1522.3	1522.3	1522.3	1522.3	1522.3
2.5°	1589.0	1581.6	1566.8	1544.6	1518.6	1492.7	1470.5	1459.4	1448.3
5°	1640.9	1629.8	1603.8	1559.4	1507.5	1459.4	1414.9	1385.3	1374.2
7.5°	1681.6	1666.8	1626.1	1566.8	1492.7	1414.9	1352.0	1303.8	1289.0
10°	1703.8	1689.0	1644.6	1566.8	1470.5	1370.5	1281.6	1218.6	1196.4
12.5°	1692.7	1685.3	1648.3	1563.1	1444.6	1318.6	1207.5	1133.4	1100.1
15°	1659.4	1659.4	1637.2	1548.3	1414.9	1270.5	1129.7	1037.1	1003.8
17.5°	1614.9	1618.6	1607.5	1529.7	1381.6	1207.5	1055.6	948.2	911.2
20°	1555.7	1559.4	1559.4	1500.1	1337.1	1148.2	977.9	851.9	814.9
22.5°	1489.0	1496.4	1503.8	1463.1	1292.7	1089.0	892.7	774.1	740.8
25°	1418.6	1426.0	1437.1	1418.6	1244.5	1026.0	814.9	703.8	674.1
27.5°	1348.3	1352.0	1370.5	1366.8	1192.7	963.0	748.2	648.2	622.3
30°	1270.5	1277.9	1292.7	1307.5	1140.8	896.4	681.5	600.0	574.1
32.5°	1185.3	1192.7	1214.9	1233.4	1081.6	833.4	626.0	551.9	533.4
35°	1100.1	1107.5	1133.4	1159.3	1022.3	770.4	577.8	514.9	500.0
37.5°	1022.3	1029.7	1048.2	1085.3	963.0	707.5	529.7	481.5	466.7
40°	937.1	944.5	966.7	1011.2	900.1	648.2	492.6	448.2	440.8
42.5°	855.6	863.0	885.3	933.4	840.8	592.6	455.6	422.3	414.8
45°	774.1	777.8	803.8	851.9	774.1	537.1	422.3	392.6	385.2
47.5°	700.1	703.8	726.0	781.5	714.9	488.9	392.6	366.7	363.0
50°	626.0	622.3	648.2	703.8	655.6	444.5	363.0	344.5	337.1
52.5°	555.6	555.6	574.1	633.4	600.0	403.7	337.1	318.5	314.8
55°	492.6	492.6	507.4	566.7	540.8	363.0	307.4	296.3	292.6
57.5°	429.7	429.7	444.5	496.3	485.2	326.0	285.2	270.4	270.4
60°	374.1	370.4	381.5	437.1	433.4	292.6	259.3	251.9	248.2
62.5°	318.5	314.8	326.0	374.1	377.8	259.3	237.1	229.6	229.6
65°	263.0	266.7	277.8	318.5	329.7	229.6	211.1	211.1	207.4
67.5°	218.5	222.2	229.6	266.7	281.5	200.0	188.9	188.9	188.9
70°	174.1	177.8	185.2	214.8	233.4	170.4	163.0	166.7	166.7
72.5°	133.3	137.0	144.5	166.7	185.2	140.8	140.8	144.5	144.5
75°	92.6	96.3	107.4	125.9	140.8	111.1	114.8	118.5	118.5
77.5°	63.0	63.0	70.4	85.2	100.0	81.5	88.9	92.6	96.3
80°	40.7	40.7	44.4	51.9	59.3	55.6	59.3	66.7	66.7
82.5°	18.5	18.5	22.2	22.2	25.9	25.9	29.6	29.6	33.3
85°	3.7	7.4	3.7	3.7	3.7	3.7	3.7	7.4	7.4
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)