

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: P303523

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24WW8FSMMS 4000Lm4000K  
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3622.4 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

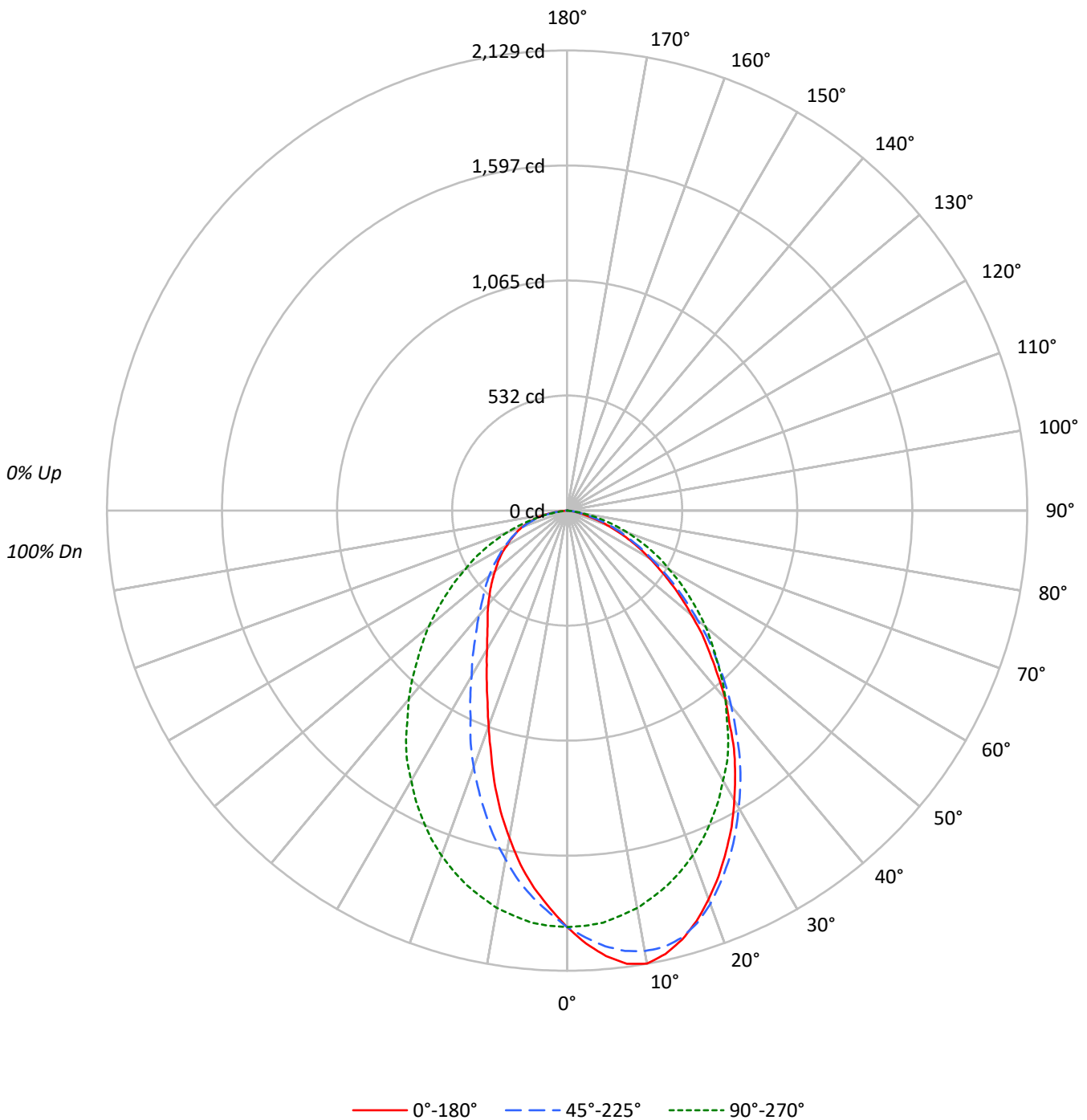
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	62	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	33	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	125725	125725	125725
5°	135498	125308	114817
10°	141014	123723	101895
15°	138819	121197	87805
20°	132843	117909	73732
25°	125218	113679	63268
30°	116556	108623	55867
35°	107185	103537	51044
40°	97072	97072	48340
45°	86156	90382	46040
50°	76193	85024	44141
55°	66642	78096	43211
60°	57333	71073	41806
65°	48056	65006	41696
70°	37540	56748	41908
75°	25383	44995	40382
80°	15479	27502	36105
85°	3443	3443	10255



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.6	5.0
10°-20°	488.3	13.5
20°-30°	659.7	18.2
30°-40°	693.5	19.1
40°-50°	620.6	17.1
50°-60°	484.0	13.4
60°-70°	321.9	8.9
70°-80°	154.0	4.3
80°-90°	20.0	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°	1328.6	36.7
0°-40°	2022.1	55.8
0°-60°	3126.6	86.3
0°-90°	3622.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3622.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1927	1927	1927	1927	1927	
5°	2069	2023	1913	1799	1753	199
15°	2055	2046	1794	1456	1300	576
25°	1740	1776	1579	1057	879	799
35°	1346	1392	1300	746	641	838
45°	934	980	980	545	499	723
55°	586	613	687	398	380	526
65°	311	330	421	275	270	310
75°	101	124	178	151	160	114
85°	5	5	5	9	14	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°	1927.1	1927.1	1927.1	1927.1	1927.1	1927.1	1927.1	1927.1	1927.1
2.5°	2005.0	1995.8	1977.5	1954.6	1922.6	1890.5	1863.1	1849.3	1840.2
5°	2069.0	2055.3	2023.3	1972.9	1913.4	1853.9	1799.0	1766.9	1753.2
7.5°	2114.8	2096.5	2055.3	1982.1	1890.5	1803.5	1725.7	1666.2	1652.5
10°	2128.6	2114.8	2069.0	1986.6	1867.6	1748.6	1638.8	1565.5	1538.1
12.5°	2101.1	2101.1	2069.0	1972.9	1831.0	1684.5	1551.8	1455.7	1423.6
15°	2055.3	2050.7	2046.2	1954.6	1794.4	1615.9	1455.7	1345.8	1300.0
17.5°	1991.2	1991.2	2000.4	1922.6	1748.6	1542.6	1359.5	1226.8	1171.8
20°	1913.4	1922.6	1936.3	1885.9	1698.3	1474.0	1263.4	1112.3	1062.0
22.5°	1831.0	1835.6	1858.5	1835.6	1643.3	1391.6	1167.3	1002.5	961.3
25°	1739.5	1753.2	1776.1	1771.5	1579.2	1313.8	1057.4	915.5	878.9
27.5°	1647.9	1661.6	1684.5	1707.4	1515.2	1235.9	970.4	837.7	805.6
30°	1547.2	1556.4	1588.4	1620.4	1441.9	1149.0	883.5	773.6	741.6
32.5°	1446.5	1460.2	1492.3	1533.5	1377.8	1071.1	814.8	714.1	686.6
35°	1345.8	1354.9	1391.6	1441.9	1300.0	993.3	746.1	663.7	640.9
37.5°	1231.4	1245.1	1281.7	1341.2	1213.0	915.5	686.6	618.0	604.2
40°	1139.8	1144.4	1181.0	1245.1	1139.8	842.3	636.3	581.3	567.6
42.5°	1029.9	1043.7	1080.3	1153.5	1062.0	759.9	585.9	540.1	531.0
45°	933.8	943.0	979.6	1057.4	979.6	695.8	544.7	508.1	499.0
47.5°	846.8	842.3	888.0	961.3	906.4	627.1	508.1	471.5	466.9
50°	750.7	750.7	787.3	869.7	837.7	572.2	471.5	444.0	434.9
52.5°	668.3	663.7	695.8	787.3	759.9	517.3	434.9	412.0	407.4
55°	585.9	590.5	613.4	700.4	686.6	466.9	398.2	384.5	379.9
57.5°	508.1	512.7	531.0	613.4	618.0	421.1	366.2	352.5	352.5
60°	439.4	439.4	457.8	535.6	544.7	375.4	334.2	325.0	320.4
62.5°	375.4	375.4	393.7	457.8	485.2	334.2	302.1	297.5	297.5
65°	311.3	315.8	329.6	389.1	421.1	297.5	274.7	274.7	270.1
67.5°	251.8	256.3	274.7	329.6	357.0	260.9	242.6	247.2	247.2
70°	196.8	206.0	224.3	260.9	297.5	219.7	215.1	219.7	219.7
72.5°	146.5	155.6	173.9	206.0	238.0	183.1	183.1	187.7	192.3
75°	100.7	105.3	123.6	151.1	178.5	146.5	151.1	160.2	160.2
77.5°	68.7	73.2	82.4	100.7	123.6	109.9	119.0	128.2	132.7
80°	41.2	41.2	50.4	59.5	73.2	73.2	82.4	91.6	96.1
82.5°	18.3	18.3	22.9	27.5	32.0	36.6	45.8	45.8	50.4
85°	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2	13.7
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)