

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: P303552

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 4000Lm3500K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303552  
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 4000lm3500K  
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3761.5 lumens  
Efficiency: N/A  
Efficacy: 96.4 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

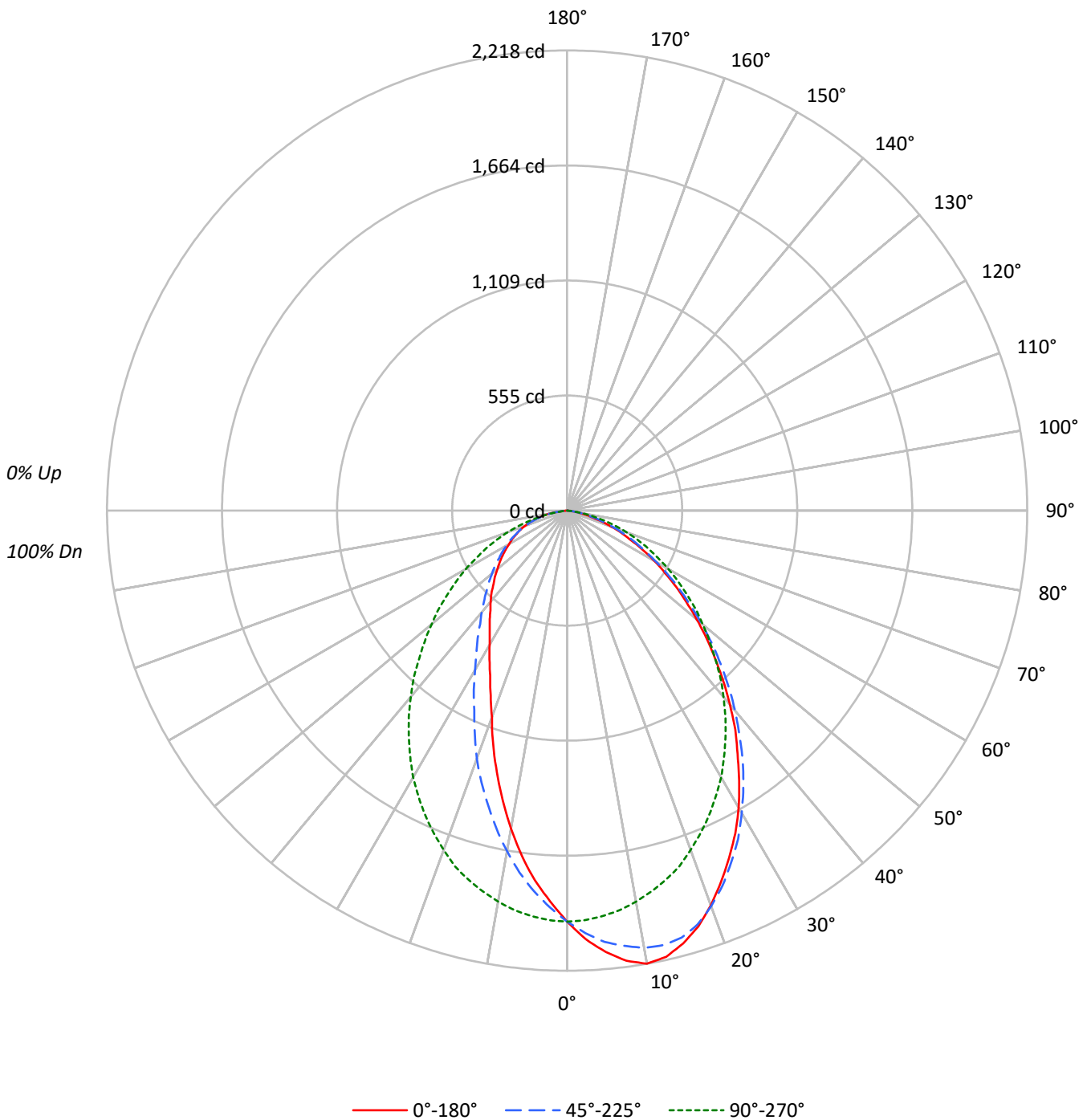
Input Watts (W): 39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	129261	129261	129261
5°	139860	128498	117129
10°	146909	126790	103153
15°	145871	124379	88237
20°	140570	120825	73635
25°	132913	116601	63160
30°	124564	111855	56289
35°	114034	105966	51832
40°	103876	99771	48859
45°	92956	92956	46261
50°	82689	86607	44526
55°	72932	80053	43314
60°	63531	73591	42145
65°	52842	66241	41681
70°	43224	57931	41374
75°	30374	46179	38894
80°	19912	28967	32611
85°	3593	3593	7186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.4	4.9
10°-20°	502.9	13.4
20°-30°	682.5	18.1
30°-40°	721.1	19.2
40°-50°	647.4	17.2
50°-60°	505.5	13.4
60°-70°	336.4	8.9
70°-80°	160.1	4.3
80°-90°	20.1	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°	1370.9	36.4
0°-40°	2092.0	55.6
0°-60°	3244.9	86.3
0°-90°	3761.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3761.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1981	1981	1981	1981	1981	
5°	2136	2087	1962	1842	1788	206
15°	2160	2131	1842	1470	1306	606
25°	1846	1870	1620	1061	877	849
35°	1432	1475	1330	752	651	896
45°	1008	1046	1008	550	501	780
55°	641	660	704	400	381	575
65°	342	362	429	275	270	345
75°	120	140	183	149	154	136
85°	5	5	5	5	10	15
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°	1981.3	1981.3	1981.3	1981.3	1981.3	1981.3	1981.3	1981.3	1981.3
2.5°	2068.1	2058.5	2039.2	2010.3	1976.5	1942.8	1913.9	1899.4	1884.9
5°	2135.6	2121.1	2087.4	2029.6	1962.1	1899.4	1841.5	1803.0	1788.5
7.5°	2188.6	2169.4	2116.3	2039.2	1942.8	1841.5	1759.6	1696.9	1677.6
10°	2217.6	2198.3	2140.4	2039.2	1913.9	1783.7	1668.0	1586.0	1557.1
12.5°	2203.1	2193.5	2145.3	2034.4	1880.1	1716.2	1571.6	1475.2	1431.8
15°	2159.7	2159.7	2130.8	2015.1	1841.5	1653.5	1470.3	1349.8	1306.4
17.5°	2101.9	2106.7	2092.2	1991.0	1798.2	1571.6	1373.9	1234.1	1185.9
20°	2024.7	2029.6	2029.6	1952.4	1740.3	1494.4	1272.7	1108.8	1060.6
22.5°	1938.0	1947.6	1957.2	1904.2	1682.5	1417.3	1161.8	1007.5	964.2
25°	1846.4	1856.0	1870.5	1846.4	1619.8	1335.4	1060.6	915.9	877.4
27.5°	1754.8	1759.6	1783.7	1778.9	1552.3	1253.4	973.8	843.6	809.9
30°	1653.5	1663.2	1682.5	1701.7	1484.8	1166.6	887.0	781.0	747.2
32.5°	1542.7	1552.3	1581.2	1605.3	1407.7	1084.7	814.7	718.3	694.2
35°	1431.8	1441.4	1475.2	1508.9	1330.5	1002.7	752.0	670.1	650.8
37.5°	1330.5	1340.2	1364.3	1412.5	1253.4	920.8	689.4	626.7	607.4
40°	1219.7	1229.3	1258.2	1316.1	1171.5	843.6	641.2	583.3	573.7
42.5°	1113.6	1123.2	1152.2	1214.8	1094.3	771.3	593.0	549.6	539.9
45°	1007.5	1012.4	1046.1	1108.8	1007.5	699.0	549.6	511.0	501.4
47.5°	911.1	915.9	944.9	1017.2	930.4	636.3	511.0	477.3	472.4
50°	814.7	809.9	843.6	915.9	853.3	578.5	472.4	448.3	438.7
52.5°	723.1	723.1	747.2	824.4	781.0	525.5	438.7	414.6	409.8
55°	641.2	641.2	660.4	737.6	703.8	472.4	400.1	385.7	380.8
57.5°	559.2	559.2	578.5	646.0	631.5	424.2	371.2	351.9	351.9
60°	486.9	482.1	496.5	568.9	564.0	380.8	337.5	327.8	323.0
62.5°	414.6	409.8	424.2	486.9	491.7	337.5	308.5	298.9	298.9
65°	342.3	347.1	361.6	414.6	429.1	298.9	274.8	274.8	270.0
67.5°	284.4	289.2	298.9	347.1	366.4	260.3	245.9	245.9	245.9
70°	226.6	231.4	241.0	279.6	303.7	221.8	212.1	216.9	216.9
72.5°	173.5	178.4	188.0	216.9	241.0	183.2	183.2	188.0	188.0
75°	120.5	125.3	139.8	163.9	183.2	144.6	149.4	154.3	154.3
77.5°	82.0	82.0	91.6	110.9	130.2	106.1	115.7	120.5	125.3
80°	53.0	53.0	57.8	67.5	77.1	72.3	77.1	86.8	86.8
82.5°	24.1	24.1	28.9	28.9	33.7	33.7	38.6	38.6	43.4
85°	4.8	9.6	4.8	4.8	4.8	4.8	4.8	9.6	9.6
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)