

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: P303492

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW8FSMW 4000Lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3841.5 lumens
Efficiency: N/A
Efficacy: 98.5 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

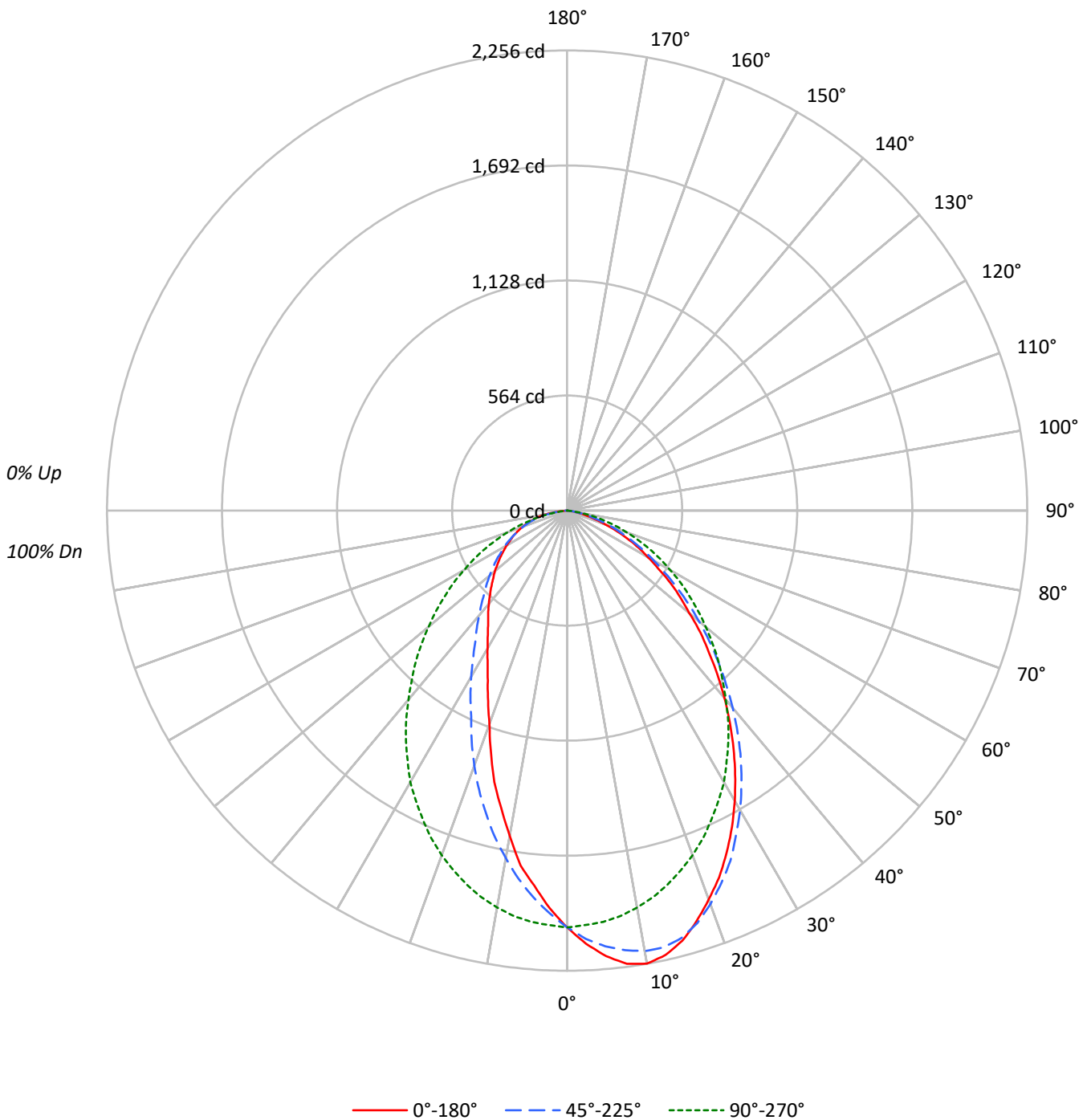
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	61	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	32	56	44	37	32	43	37	32	43	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	133313	133313	133313
5°	143606	132558	120881
10°	149420	130898	107274
15°	147458	128249	93093
20°	140869	124803	77294
25°	133216	120381	66262
30°	123803	115818	58813
35°	113230	109773	53736
40°	102199	103025	50895
45°	90714	96933	48466
50°	79238	90007	46962
55°	70168	83317	45497
60°	59734	76084	44651
65°	50588	68449	44645
70°	38608	58828	44121
75°	26719	47389	43734
80°	16306	28967	39825
85°	3593	3593	10854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	5.0
10°-20°	517.1	13.5
20°-30°	699.4	18.2
30°-40°	736.0	19.2
40°-50°	658.8	17.2
50°-60°	514.1	13.4
60°-70°	340.9	8.9
70°-80°	162.5	4.2
80°-90°	21.5	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°	1407.6	36.6
0°-40°	2143.6	55.8
0°-60°	3316.6	86.3
0°-90°	3841.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3841.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2043	2043	2043	2043	2043	
5°	2193	2145	2024	1904	1846	211
15°	2183	2169	1899	1537	1378	611
25°	1851	1894	1672	1113	920	849
35°	1422	1484	1378	786	675	888
45°	983	1046	1051	574	525	760
55°	617	655	732	424	400	550
65°	328	352	443	289	289	325
75°	106	130	188	164	174	119
85°	5	5	5	14	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°	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4	2043.4
2.5°	2125.3	2115.7	2101.2	2067.5	2033.8	2000.0	1975.9	1956.7	1951.8
5°	2192.8	2178.4	2144.6	2091.6	2024.1	1961.5	1903.6	1865.1	1845.8
7.5°	2241.0	2221.7	2173.5	2101.2	2004.9	1903.6	1821.7	1759.1	1754.2
10°	2255.5	2241.0	2192.8	2101.2	1975.9	1850.6	1730.2	1648.2	1619.3
12.5°	2231.4	2226.5	2192.8	2091.6	1942.2	1783.2	1638.6	1532.6	1494.0
15°	2183.2	2183.2	2168.7	2072.3	1898.8	1715.7	1537.4	1416.9	1378.3
17.5°	2110.9	2115.7	2120.5	2043.4	1850.6	1633.8	1436.2	1296.4	1243.4
20°	2029.0	2043.4	2053.1	2000.0	1797.6	1556.7	1330.1	1161.5	1113.3
22.5°	1947.0	1956.7	1975.9	1951.8	1739.8	1474.7	1224.1	1055.4	1012.1
25°	1850.6	1860.3	1894.0	1889.2	1672.3	1392.8	1113.3	963.9	920.5
27.5°	1749.4	1763.9	1792.8	1812.1	1604.8	1306.0	1026.5	881.9	843.4
30°	1643.4	1657.9	1696.4	1730.2	1537.4	1219.3	939.8	809.7	780.7
32.5°	1532.6	1547.0	1590.4	1638.6	1455.4	1132.6	857.8	751.8	722.9
35°	1421.7	1436.2	1484.4	1532.6	1378.3	1045.8	785.6	698.8	674.7
37.5°	1310.9	1325.3	1373.5	1436.2	1296.4	968.7	727.7	650.6	636.2
40°	1200.0	1214.5	1262.7	1335.0	1209.7	881.9	669.9	607.2	597.6
42.5°	1089.2	1108.5	1151.8	1228.9	1127.7	804.8	621.7	573.5	559.0
45°	983.2	997.6	1045.8	1132.6	1050.6	732.5	573.5	534.9	525.3
47.5°	886.8	891.6	944.6	1031.3	968.7	665.1	534.9	501.2	491.6
50°	780.7	800.0	843.4	935.0	886.8	602.4	496.4	467.5	462.7
52.5°	698.8	703.6	747.0	843.4	809.7	544.6	457.8	438.6	428.9
55°	616.9	626.5	655.4	747.0	732.5	491.6	424.1	404.8	400.0
57.5°	530.1	539.8	568.7	660.3	660.3	443.4	385.5	371.1	371.1
60°	457.8	467.5	491.6	573.5	583.1	400.0	356.6	347.0	342.2
62.5°	395.2	400.0	419.3	496.4	515.7	351.8	322.9	318.1	313.3
65°	327.7	332.5	351.8	419.3	443.4	313.3	289.2	289.2	289.2
67.5°	265.1	269.9	289.2	342.2	375.9	269.9	260.2	260.2	260.2
70°	202.4	212.1	231.3	274.7	308.4	231.3	226.5	231.3	231.3
72.5°	149.4	159.0	178.3	216.9	250.6	192.8	197.6	202.4	207.2
75°	106.0	110.8	130.1	159.0	188.0	154.2	163.9	168.7	173.5
77.5°	72.3	77.1	86.7	110.8	134.9	115.7	125.3	134.9	144.6
80°	43.4	43.4	48.2	62.7	77.1	77.1	86.7	101.2	106.0
82.5°	19.3	19.3	24.1	28.9	33.7	38.6	48.2	53.0	53.0
85°	4.8	4.8	4.8	4.8	4.8	9.6	14.5	14.5	14.5
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)