

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: P303493

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303493
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 4000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

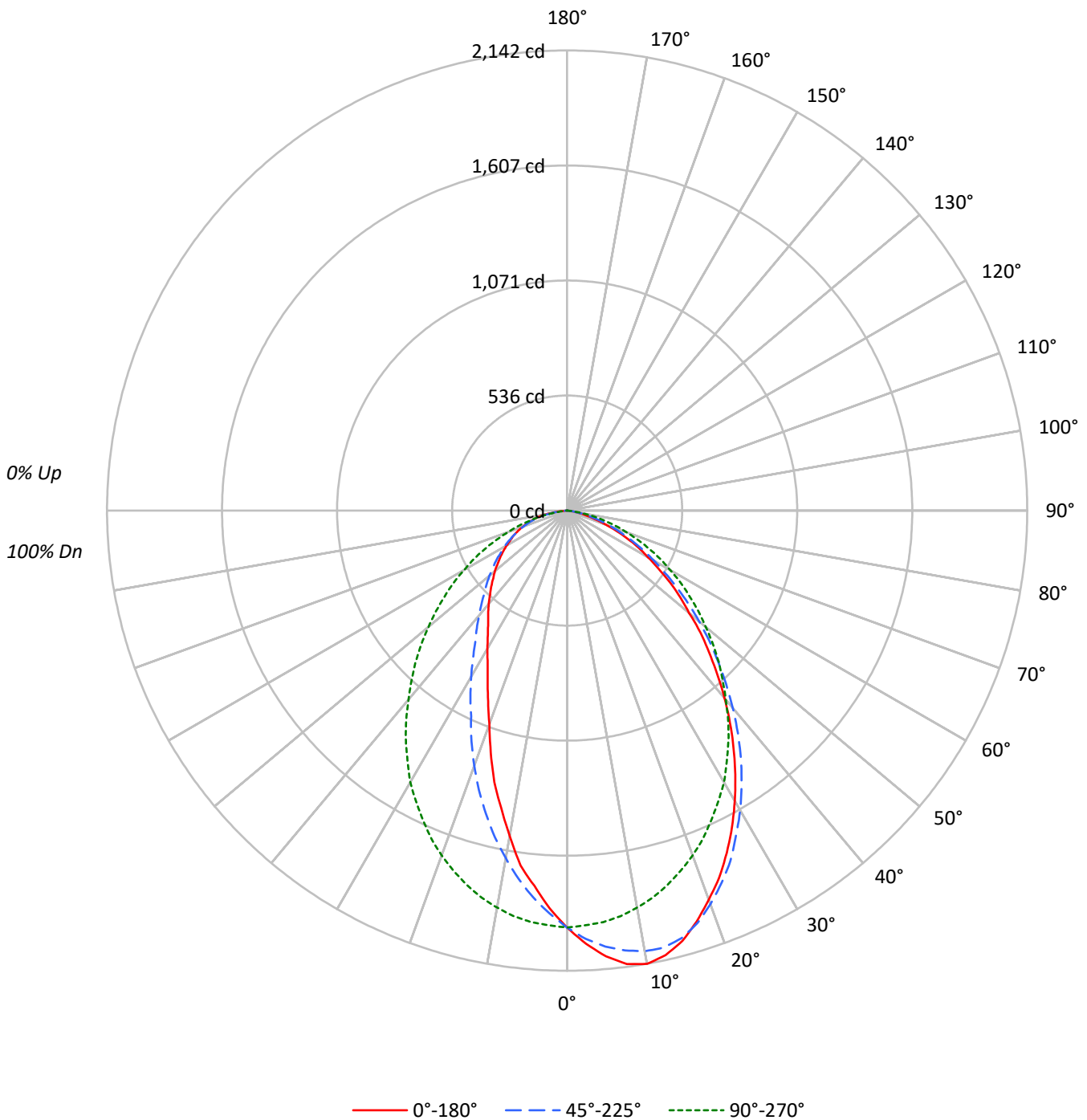
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303493

CATALOG NUMBER: PR6FS24D010 PR6M24WW8FSMW 4000Lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303493

CATALOG NUMBER: PR6FS24D010 PR6M24WW8FSMW 4000Lm4000K

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°	126632	126632	126632
5°	136409	125917	114823
10°	141928	124339	101901
15°	140069	121826	88433
20°	133808	118548	73420
25°	126543	114348	62944
30°	117595	110009	55867
35°	107559	104278	51044
40°	97080	97855	48349
45°	86166	92080	46040
50°	75270	85490	44608
55°	66654	79143	43223
60°	56746	72274	42406
65°	48056	65022	42406
70°	36681	55890	41908
75°	25383	44995	41541
80°	15479	27502	37834
85°	3443	3443	10255



TEST NUMBER: P303493

CATALOG NUMBER: PR6FS24D010 PR6M24WW8FSMW 4000Lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	5.0
10°-20°	491.2	13.5
20°-30°	664.4	18.2
30°-40°	699.1	19.2
40°-50°	625.8	17.2
50°-60°	488.3	13.4
60°-70°	323.8	8.9
70°-80°	154.4	4.2
80°-90°	20.5	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°	1337.0	36.6
0°-40°	2036.2	55.8
0°-60°	3150.4	86.3
0°-90°	3649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3649.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1941	1941	1941	1941	1941	
5°	2083	2037	1923	1808	1753	201
15°	2074	2060	1804	1460	1309	580
25°	1758	1799	1588	1058	874	807
35°	1350	1410	1309	746	641	843
45°	934	993	998	545	499	722
55°	586	623	696	403	380	523
65°	311	334	421	275	275	309
75°	101	124	178	156	165	113
85°	5	5	5	14	14	12
90°	0	0	0	0	0	



TEST NUMBER: P303493

CATALOG NUMBER: PR6FS24D010 PR6M24WW8FSMW 4000Lm4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1941.0	1941.0	1941.0	1941.0	1941.0	1941.0	1941.0	1941.0	1941.0
2.5°	2018.8	2009.7	1995.9	1963.9	1931.9	1899.8	1876.9	1858.6	1854.0
5°	2082.9	2069.2	2037.1	1986.8	1922.7	1863.2	1808.3	1771.6	1753.3
7.5°	2128.7	2110.4	2064.6	1995.9	1904.4	1808.3	1730.4	1670.9	1666.3
10°	2142.4	2128.7	2082.9	1995.9	1876.9	1757.9	1643.4	1565.6	1538.2
12.5°	2119.5	2115.0	2082.9	1986.8	1844.9	1693.8	1556.5	1455.8	1419.1
15°	2073.8	2073.8	2060.0	1968.5	1803.7	1629.7	1460.3	1345.9	1309.3
17.5°	2005.1	2009.7	2014.3	1941.0	1757.9	1551.9	1364.2	1231.4	1181.1
20°	1927.3	1941.0	1950.2	1899.8	1707.5	1478.6	1263.5	1103.3	1057.5
22.5°	1849.5	1858.6	1876.9	1854.0	1652.6	1400.8	1162.8	1002.5	961.3
25°	1757.9	1767.0	1799.1	1794.5	1588.5	1323.0	1057.5	915.6	874.4
27.5°	1661.8	1675.5	1703.0	1721.3	1524.4	1240.6	975.1	837.7	801.1
30°	1561.0	1574.8	1611.4	1643.4	1460.3	1158.2	892.7	769.1	741.6
32.5°	1455.8	1469.5	1510.7	1556.5	1382.5	1075.8	814.9	714.1	686.7
35°	1350.5	1364.2	1410.0	1455.8	1309.3	993.4	746.2	663.8	640.9
37.5°	1245.2	1258.9	1304.7	1364.2	1231.4	920.1	691.3	618.0	604.3
40°	1139.9	1153.6	1199.4	1268.1	1149.0	837.7	636.3	576.8	567.7
42.5°	1034.6	1052.9	1094.1	1167.4	1071.2	764.5	590.5	544.8	531.0
45°	933.9	947.6	993.4	1075.8	998.0	695.8	544.8	508.1	499.0
47.5°	842.3	846.9	897.3	979.7	920.1	631.7	508.1	476.1	466.9
50°	741.6	759.9	801.1	888.1	842.3	572.2	471.5	444.1	439.5
52.5°	663.8	668.4	709.6	801.1	769.1	517.3	434.9	416.6	407.4
55°	586.0	595.1	622.6	709.6	695.8	466.9	402.9	384.5	380.0
57.5°	503.6	512.7	540.2	627.2	627.2	421.2	366.2	352.5	352.5
60°	434.9	444.1	466.9	544.8	553.9	380.0	338.8	329.6	325.0
62.5°	375.4	380.0	398.3	471.5	489.8	334.2	306.7	302.1	297.6
65°	311.3	315.9	334.2	398.3	421.2	297.6	274.7	274.7	274.7
67.5°	251.8	256.4	274.7	325.0	357.1	256.4	247.2	247.2	247.2
70°	192.3	201.4	219.7	260.9	293.0	219.7	215.2	219.7	219.7
72.5°	141.9	151.1	169.4	206.0	238.0	183.1	187.7	192.3	196.8
75°	100.7	105.3	123.6	151.1	178.5	146.5	155.6	160.2	164.8
77.5°	68.7	73.2	82.4	105.3	128.2	109.9	119.0	128.2	137.3
80°	41.2	41.2	45.8	59.5	73.2	73.2	82.4	96.1	100.7
82.5°	18.3	18.3	22.9	27.5	32.0	36.6	45.8	50.4	50.4
85°	4.6	4.6	4.6	4.6	4.6	9.2	13.7	13.7	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)