

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: P303526

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303526
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 PR6M24WW9FSMMS 4000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2862.3 lumens
Efficiency: N/A
Efficacy: 63.6 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

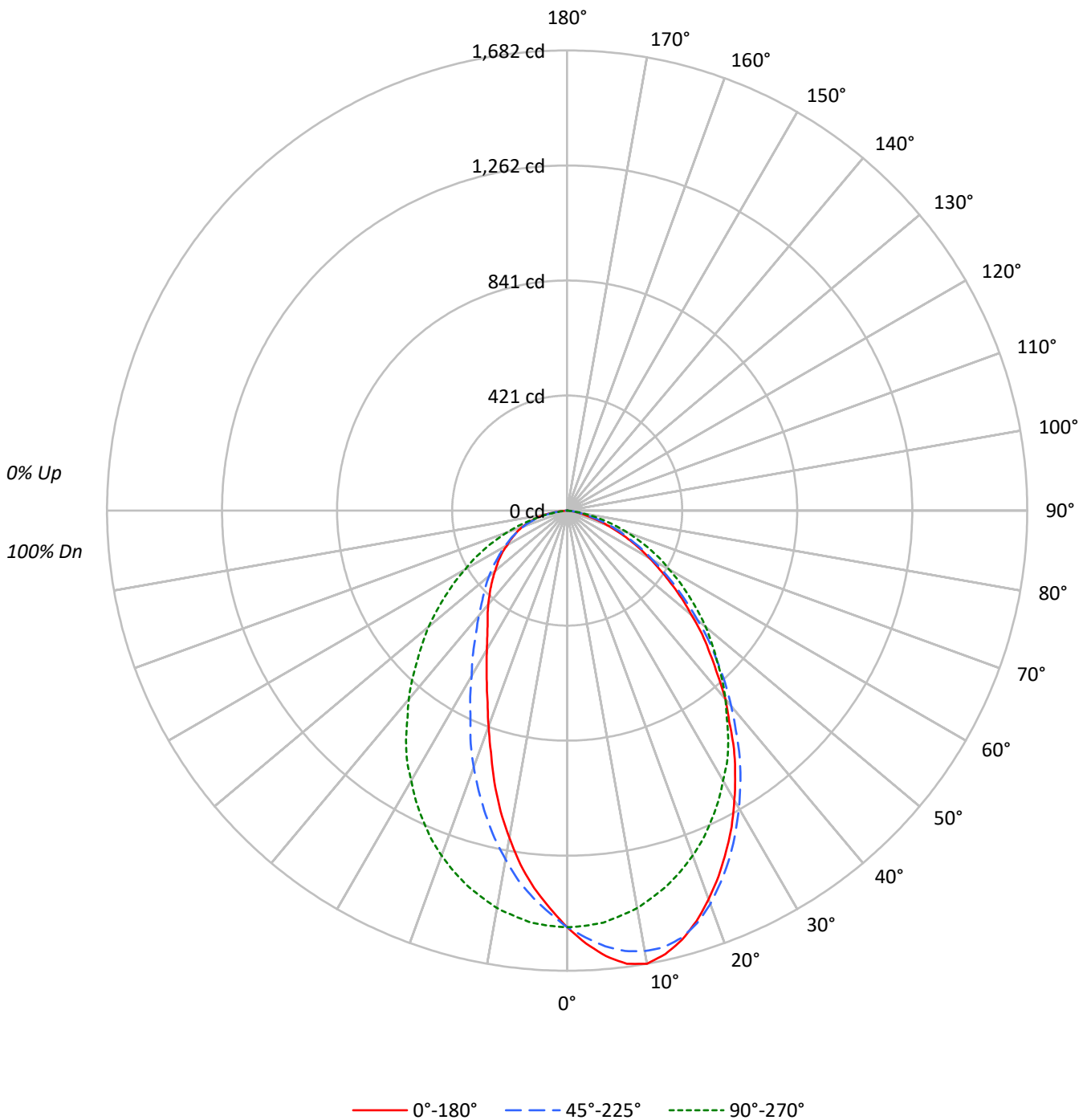
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303526

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMMS 4000Lm4000K

Luminous Intensity Polar Plot





TEST NUMBER: P303526

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMMS 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	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°	99348	99348	99348
5°	107069	99014	90723
10°	111421	97761	80510
15°	109688	95768	69379
20°	104968	93165	58257
25°	98943	89830	49994
30°	92103	85835	44145
35°	84694	81810	40332
40°	76700	76700	38197
45°	68082	71412	36380
50°	60208	67180	34874
55°	52663	61717	34146
60°	45303	56159	33038
65°	37976	51375	32943
70°	29662	44846	33114
75°	20065	35567	31912
80°	12248	21753	28554
85°	2695	2695	8159



TEST NUMBER: P303526

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMMS 4000Lm4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	5.0
10°-20°	385.8	13.5
20°-30°	521.3	18.2
30°-40°	548.0	19.1
40°-50°	490.3	17.1
50°-60°	382.4	13.4
60°-70°	254.3	8.9
70°-80°	121.7	4.3
80°-90°	15.8	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°	1049.8	36.7
0°-40°	1597.8	55.8
0°-60°	2470.6	86.3
0°-90°	2862.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1523	1523	1523	1523	1523	
5°	1635	1599	1512	1422	1385	157
15°	1624	1617	1418	1150	1027	455
25°	1374	1403	1248	836	694	631
35°	1063	1100	1027	590	506	662
45°	738	774	774	430	394	571
55°	463	485	543	315	300	416
65°	246	260	333	217	213	245
75°	80	98	141	119	127	90
85°	4	4	4	7	11	9
90°	0	0	0	0	0	



TEST NUMBER: P303526

CATALOG NUMBER: PR6FS24D010 PR6M24WW9FSMMS 4000Lm4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8	1522.8
2.5°	1584.3	1577.0	1562.6	1544.5	1519.1	1493.8	1472.1	1461.3	1454.0
5°	1634.9	1624.0	1598.7	1558.9	1511.9	1464.9	1421.5	1396.2	1385.3
7.5°	1671.1	1656.6	1624.0	1566.2	1493.8	1425.1	1363.6	1316.6	1305.7
10°	1681.9	1671.1	1634.9	1569.8	1475.7	1381.7	1294.9	1237.0	1215.3
12.5°	1660.2	1660.2	1634.9	1558.9	1446.8	1331.1	1226.2	1150.2	1124.9
15°	1624.0	1620.4	1616.8	1544.5	1417.9	1276.8	1150.2	1063.4	1027.2
17.5°	1573.4	1573.4	1580.6	1519.1	1381.7	1218.9	1074.3	969.4	926.0
20°	1511.9	1519.1	1530.0	1490.2	1341.9	1164.7	998.3	878.9	839.1
22.5°	1446.8	1450.4	1468.5	1450.4	1298.5	1099.6	922.3	792.1	759.6
25°	1374.5	1385.3	1403.4	1399.8	1247.9	1038.1	835.5	723.4	694.5
27.5°	1302.1	1313.0	1331.1	1349.1	1197.2	976.6	766.8	661.9	636.6
30°	1222.6	1229.8	1255.1	1280.4	1139.4	907.9	698.1	611.3	586.0
32.5°	1143.0	1153.8	1179.1	1211.7	1088.7	846.4	643.8	564.3	542.6
35°	1063.4	1070.6	1099.6	1139.4	1027.2	784.9	589.6	524.5	506.4
37.5°	973.0	983.8	1012.8	1059.8	958.5	723.4	542.6	488.3	477.4
40°	900.6	904.3	933.2	983.8	900.6	665.5	502.8	459.4	448.5
42.5°	813.8	824.7	853.6	911.5	839.1	600.4	463.0	426.8	419.6
45°	737.9	745.1	774.0	835.5	774.0	549.8	430.4	401.5	394.3
47.5°	669.1	665.5	701.7	759.6	716.2	495.5	401.5	372.6	368.9
50°	593.2	593.2	622.1	687.2	661.9	452.1	372.6	350.9	343.6
52.5°	528.1	524.5	549.8	622.1	600.4	408.7	343.6	325.5	321.9
55°	463.0	466.6	484.7	553.4	542.6	368.9	314.7	303.8	300.2
57.5°	401.5	405.1	419.6	484.7	488.3	332.8	289.4	278.5	278.5
60°	347.2	347.2	361.7	423.2	430.4	296.6	264.0	256.8	253.2
62.5°	296.6	296.6	311.1	361.7	383.4	264.0	238.7	235.1	235.1
65°	246.0	249.6	260.4	307.4	332.8	235.1	217.0	217.0	213.4
67.5°	198.9	202.6	217.0	260.4	282.1	206.2	191.7	195.3	195.3
70°	155.5	162.8	177.2	206.2	235.1	173.6	170.0	173.6	173.6
72.5°	115.7	123.0	137.4	162.8	188.1	144.7	144.7	148.3	151.9
75°	79.6	83.2	97.7	119.4	141.1	115.7	119.4	126.6	126.6
77.5°	54.3	57.9	65.1	79.6	97.7	86.8	94.0	101.3	104.9
80°	32.6	32.6	39.8	47.0	57.9	57.9	65.1	72.3	76.0
82.5°	14.5	14.5	18.1	21.7	25.3	28.9	36.2	36.2	39.8
85°	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2	10.9
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)