

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: P303524

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMMS 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303524
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 4000lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE METALLIC SILVER FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2930.1 lumens
Efficiency: N/A
Efficacy: 65.1 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

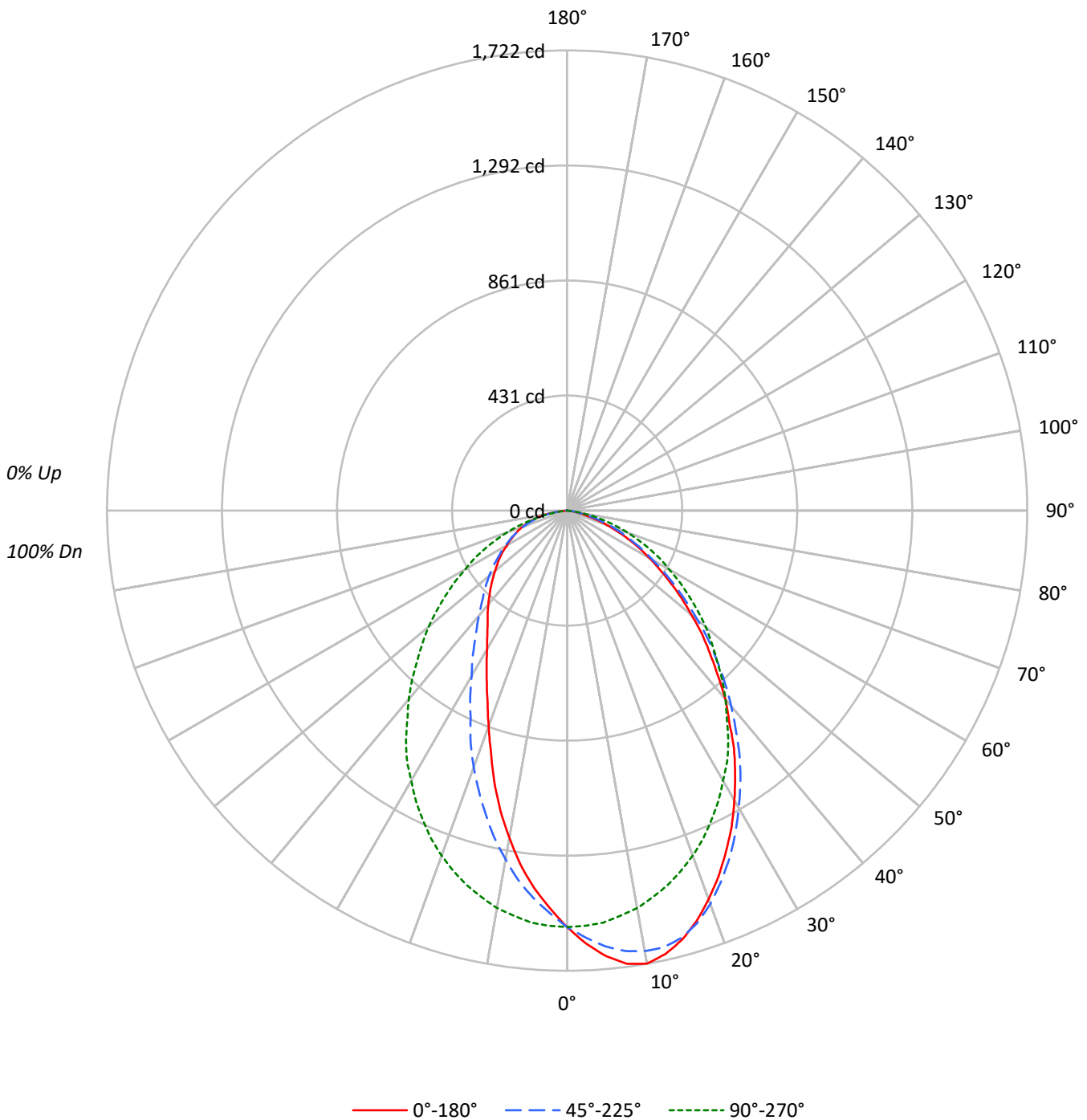
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	101697	101697	101697
5°	109604	101359	92871
10°	114058	100079	82418
15°	112289	98031	71027
20°	107453	95373	59638
25°	101283	91954	51174
30°	94280	87861	45185
35°	86701	83754	41288
40°	78523	78523	39100
45°	69687	73110	37238
50°	61629	68774	35706
55°	53903	63173	34953
60°	46386	57490	33821
65°	38871	52579	33730
70°	30368	45914	33896
75°	20544	36399	32668
80°	12511	22242	29230
85°	2770	2770	8309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	5.0
10°-20°	395.0	13.5
20°-30°	533.6	18.2
30°-40°	560.9	19.1
40°-50°	502.0	17.1
50°-60°	391.5	13.4
60°-70°	260.3	8.9
70°-80°	124.6	4.3
80°-90°	16.1	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°	1074.7	36.7
0°-40°	1635.6	55.8
0°-60°	2529.0	86.3
0°-90°	2930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1559	1559	1559	1559	1559	
5°	1674	1637	1548	1455	1418	161
15°	1662	1655	1451	1177	1052	466
25°	1407	1437	1277	855	711	646
35°	1089	1126	1052	604	518	678
45°	755	792	792	441	404	585
55°	474	496	555	322	307	426
65°	252	267	341	222	218	251
75°	82	100	144	122	130	93
85°	4	4	4	7	11	10
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°	1558.8	1558.8	1558.8	1558.8	1558.8	1558.8	1558.8	1558.8	1558.8
2.5°	1621.8	1614.4	1599.5	1581.0	1555.1	1529.2	1507.0	1495.9	1488.5
5°	1673.6	1662.5	1636.6	1595.8	1547.7	1499.6	1455.1	1429.2	1418.1
7.5°	1710.6	1695.8	1662.5	1603.2	1529.2	1458.8	1395.9	1347.8	1336.7
10°	1721.7	1710.6	1673.6	1606.9	1510.7	1414.4	1325.5	1266.3	1244.1
12.5°	1699.5	1699.5	1673.6	1595.8	1481.1	1362.6	1255.2	1177.4	1151.5
15°	1662.5	1658.8	1655.1	1581.0	1451.4	1307.0	1177.4	1088.6	1051.6
17.5°	1610.6	1610.6	1618.1	1555.1	1414.4	1247.8	1099.7	992.3	947.9
20°	1547.7	1555.1	1566.2	1525.5	1373.7	1192.3	1021.9	899.7	859.0
22.5°	1481.1	1484.8	1503.3	1484.8	1329.2	1125.6	944.2	810.9	777.6
25°	1407.0	1418.1	1436.6	1432.9	1277.4	1062.7	855.3	740.5	710.9
27.5°	1333.0	1344.1	1362.6	1381.1	1225.6	999.7	785.0	677.6	651.7
30°	1251.5	1258.9	1284.8	1310.7	1166.3	929.4	714.6	625.7	599.8
32.5°	1170.0	1181.1	1207.1	1240.4	1114.5	866.4	659.1	577.6	555.4
35°	1088.6	1096.0	1125.6	1166.3	1051.6	803.5	603.5	536.9	518.4
37.5°	996.0	1007.1	1036.7	1084.9	981.2	740.5	555.4	499.9	488.7
40°	922.0	925.7	955.3	1007.1	922.0	681.3	514.7	470.2	459.1
42.5°	833.1	844.2	873.8	933.1	859.0	614.6	473.9	436.9	429.5
45°	755.3	762.7	792.4	855.3	792.4	562.8	440.6	411.0	403.6
47.5°	685.0	681.3	718.3	777.6	733.1	507.3	411.0	381.4	377.7
50°	607.2	607.2	636.9	703.5	677.6	462.8	381.4	359.2	351.8
52.5°	540.6	536.9	562.8	636.9	614.6	418.4	351.8	333.2	329.5
55°	473.9	477.6	496.2	566.5	555.4	377.7	322.1	311.0	307.3
57.5°	411.0	414.7	429.5	496.2	499.9	340.6	296.2	285.1	285.1
60°	355.5	355.5	370.3	433.2	440.6	303.6	270.3	262.9	259.2
62.5°	303.6	303.6	318.4	370.3	392.5	270.3	244.4	240.7	240.7
65°	251.8	255.5	266.6	314.7	340.6	240.7	222.2	222.2	218.5
67.5°	203.6	207.3	222.2	266.6	288.8	211.1	196.2	199.9	199.9
70°	159.2	166.6	181.4	211.1	240.7	177.7	174.0	177.7	177.7
72.5°	118.5	125.9	140.7	166.6	192.5	148.1	148.1	151.8	155.5
75°	81.5	85.2	100.0	122.2	144.4	118.5	122.2	129.6	129.6
77.5°	55.5	59.2	66.6	81.5	100.0	88.9	96.3	103.7	107.4
80°	33.3	33.3	40.7	48.1	59.2	59.2	66.6	74.1	77.8
82.5°	14.8	14.8	18.5	22.2	25.9	29.6	37.0	37.0	40.7
85°	3.7	3.7	3.7	3.7	3.7	7.4	7.4	7.4	11.1
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)