

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: P303494

Luminaire Tested: **PR6FS24D010 PR6M24WW9FSMW 4000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303494
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 PR6M24WW9FSMW 4000Lm3000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2951.6 lumens
Efficiency: N/A
Efficacy: 65.6 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

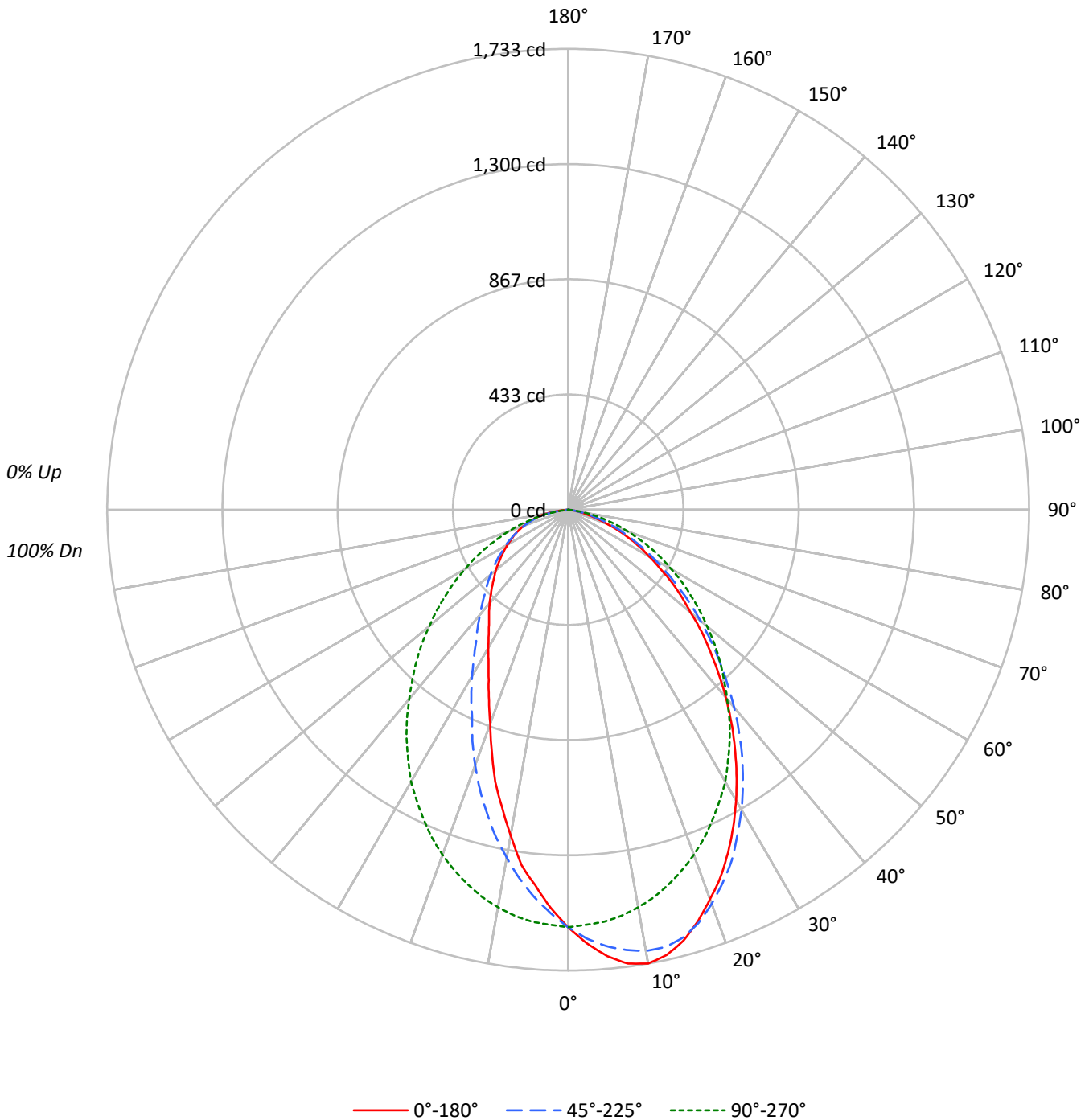
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	102428	102428	102428
5°	110337	101850	92878
10°	114806	100576	82425
15°	113295	98537	71527
20°	108231	95893	59388
25°	102356	92494	50915
30°	95123	88984	45192
35°	87003	84343	41288
40°	78523	79153	39108
45°	69696	74476	37238
50°	60888	69149	36082
55°	53914	64015	34953
60°	45903	58469	34304
65°	38871	52595	34302
70°	29662	45208	33896
75°	20544	36399	33601
80°	12511	22242	30620
85°	2770	2770	8309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	5.0
10°-20°	397.3	13.5
20°-30°	537.4	18.2
30°-40°	565.5	19.2
40°-50°	506.2	17.2
50°-60°	395.0	13.4
60°-70°	261.9	8.9
70°-80°	124.9	4.2
80°-90°	16.5	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°	1081.5	36.6
0°-40°	1647.0	55.8
0°-60°	2548.2	86.3
0°-90°	2951.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1570	1570	1570	1570	1570	
5°	1685	1648	1555	1463	1418	162
15°	1677	1666	1459	1181	1059	469
25°	1422	1455	1285	855	707	652
35°	1092	1140	1059	604	518	682
45°	755	804	807	441	404	584
55°	474	504	563	326	307	423
65°	252	270	341	222	222	250
75°	82	100	144	126	133	91
85°	4	4	4	11	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°	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0
2.5°	1633.0	1625.6	1614.5	1588.5	1562.6	1536.7	1518.2	1503.4	1499.7
5°	1684.8	1673.7	1647.8	1607.1	1555.2	1507.1	1462.6	1433.0	1418.2
7.5°	1721.8	1707.0	1670.0	1614.5	1540.4	1462.6	1399.7	1351.6	1347.9
10°	1733.0	1721.8	1684.8	1614.5	1518.2	1421.9	1329.3	1266.4	1244.2
12.5°	1714.4	1710.7	1684.8	1607.1	1492.3	1370.1	1259.0	1177.5	1147.9
15°	1677.4	1677.4	1666.3	1592.2	1458.9	1318.2	1181.2	1088.7	1059.0
17.5°	1621.9	1625.6	1629.3	1570.0	1421.9	1255.3	1103.5	996.1	955.3
20°	1558.9	1570.0	1577.4	1536.7	1381.2	1196.0	1022.0	892.4	855.4
22.5°	1496.0	1503.4	1518.2	1499.7	1336.7	1133.1	940.5	810.9	777.6
25°	1421.9	1429.3	1455.2	1451.5	1284.9	1070.1	855.4	740.6	707.3
27.5°	1344.2	1355.3	1377.5	1392.3	1233.1	1003.5	788.7	677.6	648.0
30°	1262.7	1273.8	1303.4	1329.3	1181.2	936.8	722.1	622.1	599.9
32.5°	1177.5	1188.6	1222.0	1259.0	1118.3	870.2	659.1	577.7	555.4
35°	1092.4	1103.5	1140.5	1177.5	1059.0	803.5	603.6	536.9	518.4
37.5°	1007.2	1018.3	1055.3	1103.5	996.1	744.3	559.1	499.9	488.8
40°	922.0	933.1	970.2	1025.7	929.4	677.6	514.7	466.6	459.2
42.5°	836.9	851.7	885.0	944.2	866.5	618.4	477.7	440.6	429.5
45°	755.4	766.5	803.5	870.2	807.2	562.8	440.6	411.0	403.6
47.5°	681.3	685.0	725.8	792.4	744.3	511.0	411.0	385.1	377.7
50°	599.9	614.7	648.0	718.4	681.3	462.9	381.4	359.2	355.5
52.5°	536.9	540.6	573.9	648.0	622.1	418.4	351.8	337.0	329.6
55°	474.0	481.4	503.6	573.9	562.8	377.7	325.9	311.0	307.3
57.5°	407.3	414.7	436.9	507.3	507.3	340.7	296.2	285.1	285.1
60°	351.8	359.2	377.7	440.6	448.1	307.3	274.0	266.6	262.9
62.5°	303.6	307.3	322.2	381.4	396.2	270.3	248.1	244.4	240.7
65°	251.8	255.5	270.3	322.2	340.7	240.7	222.2	222.2	222.2
67.5°	203.7	207.4	222.2	262.9	288.8	207.4	200.0	200.0	200.0
70°	155.5	162.9	177.7	211.1	237.0	177.7	174.0	177.7	177.7
72.5°	114.8	122.2	137.0	166.6	192.6	148.1	151.8	155.5	159.2
75°	81.5	85.2	100.0	122.2	144.4	118.5	125.9	129.6	133.3
77.5°	55.5	59.2	66.7	85.2	103.7	88.9	96.3	103.7	111.1
80°	33.3	33.3	37.0	48.1	59.2	59.2	66.7	77.8	81.5
82.5°	14.8	14.8	18.5	22.2	25.9	29.6	37.0	40.7	40.7
85°	3.7	3.7	3.7	3.7	3.7	7.4	11.1	11.1	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)