

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: P303486

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSMW 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303486
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 3000Lm3500K
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: 2669.3 lumens
Efficiency: N/A
Efficacy: 102.3 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

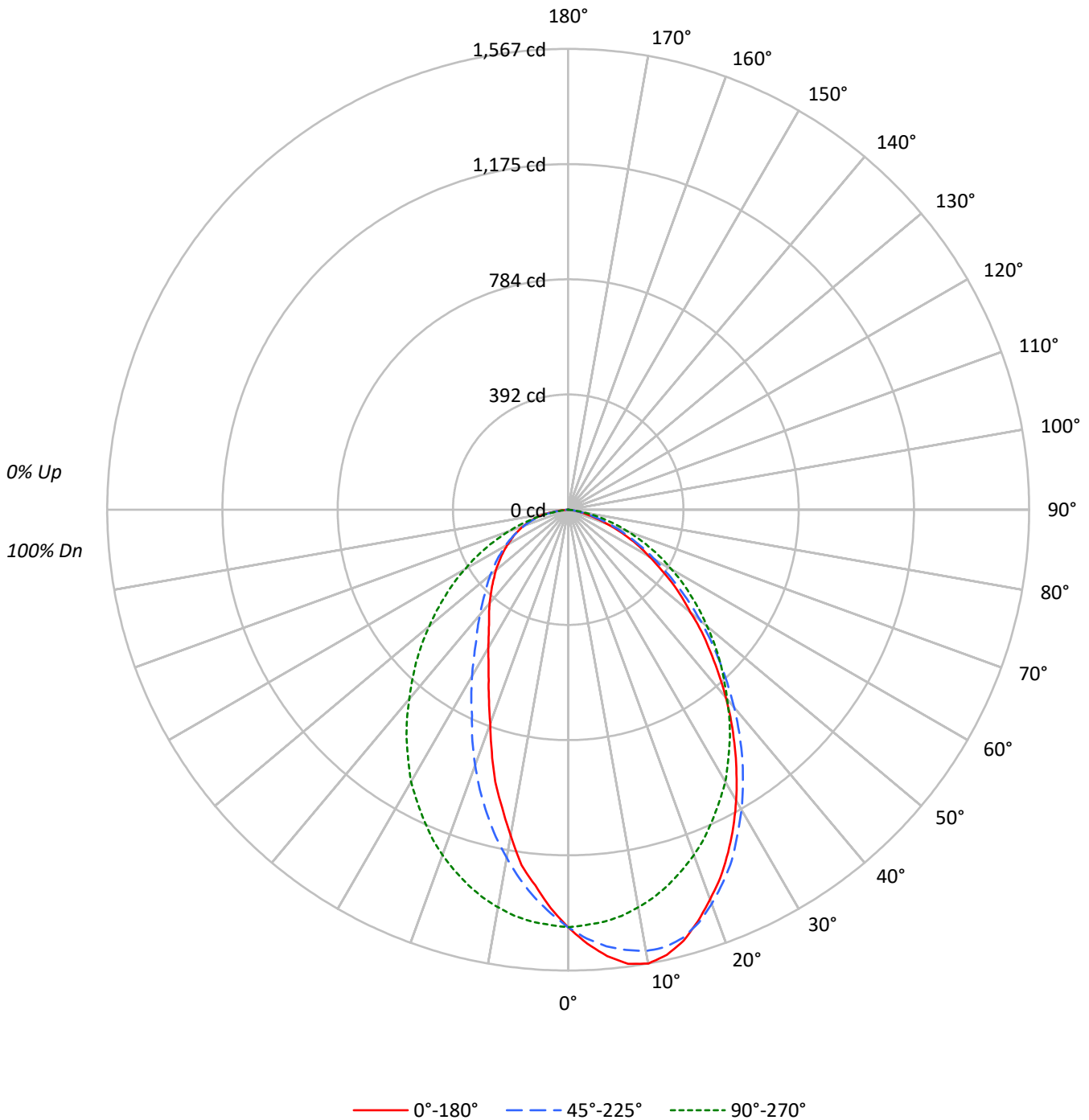
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: PR6F524D010 PR6M24WW8FSMW 3000Lm3500K

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°	92635	92635	92635
5°	99787	92111	83997
10°	103822	90957	74541
15°	102461	89115	64685
20°	97879	86722	53709
25°	92566	83647	46042
30°	86023	80479	40868
35°	78680	76275	37337
40°	71011	71582	35361
45°	63026	67353	33676
50°	55062	62542	32631
55°	48750	57895	31609
60°	41506	52871	31028
65°	35151	47562	31013
70°	26820	40878	30654
75°	18578	32920	30400
80°	11309	20138	27690
85°	2470	2470	7486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	5.0
10°-20°	359.3	13.5
20°-30°	486.0	18.2
30°-40°	511.4	19.2
40°-50°	457.8	17.2
50°-60°	357.2	13.4
60°-70°	236.8	8.9
70°-80°	112.9	4.2
80°-90°	15.0	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°	978.1	36.6
0°-40°	1489.5	55.8
0°-60°	2304.5	86.3
0°-90°	2669.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1420	1420	1420	1420	1420	
5°	1524	1490	1406	1323	1283	147
15°	1517	1507	1319	1068	958	424
25°	1286	1316	1162	774	640	590
35°	988	1031	958	546	469	617
45°	683	727	730	398	365	528
55°	429	455	509	295	278	382
65°	228	244	308	201	201	226
75°	74	90	131	114	121	82
85°	3	3	3	10	10	9
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°	1419.9	1419.9	1419.9	1419.9	1419.9	1419.9	1419.9	1419.9	1419.9
2.5°	1476.8	1470.1	1460.1	1436.6	1413.2	1389.7	1373.0	1359.6	1356.2
5°	1523.7	1513.6	1490.2	1453.4	1406.5	1362.9	1322.8	1296.0	1282.6
7.5°	1557.2	1543.8	1510.3	1460.1	1393.1	1322.8	1265.8	1222.3	1218.9
10°	1567.2	1557.2	1523.7	1460.1	1373.0	1285.9	1202.2	1145.3	1125.2
12.5°	1550.5	1547.1	1523.7	1453.4	1349.6	1239.0	1138.6	1064.9	1038.1
15°	1517.0	1517.0	1506.9	1440.0	1319.4	1192.2	1068.3	984.5	957.7
17.5°	1466.8	1470.1	1473.5	1419.9	1285.9	1135.2	997.9	900.8	864.0
20°	1409.8	1419.9	1426.6	1389.7	1249.1	1081.6	924.3	807.1	773.6
22.5°	1352.9	1359.6	1373.0	1356.2	1208.9	1024.7	850.6	733.4	703.2
25°	1285.9	1292.6	1316.1	1312.7	1162.0	967.8	773.6	669.8	639.6
27.5°	1215.6	1225.6	1245.7	1259.1	1115.1	907.5	713.3	612.8	586.0
30°	1141.9	1152.0	1178.8	1202.2	1068.3	847.2	653.0	562.6	542.5
32.5°	1064.9	1075.0	1105.1	1138.6	1011.3	787.0	596.1	522.4	502.3
35°	987.9	997.9	1031.4	1064.9	957.7	726.7	545.8	485.6	468.8
37.5°	910.9	920.9	954.4	997.9	900.8	673.1	505.7	452.1	442.0
40°	833.8	843.9	877.4	927.6	840.5	612.8	465.5	421.9	415.2
42.5°	756.8	770.2	800.4	853.9	783.6	559.2	432.0	398.5	388.5
45°	683.1	693.2	726.7	787.0	730.0	509.0	398.5	371.7	365.0
47.5°	616.2	619.5	656.4	716.6	673.1	462.1	371.7	348.3	341.6
50°	542.5	555.9	586.0	649.7	616.2	418.6	344.9	324.8	321.5
52.5°	485.6	488.9	519.1	586.0	562.6	378.4	318.1	304.7	298.0
55°	428.6	435.3	455.4	519.1	509.0	341.6	294.7	281.3	277.9
57.5°	368.4	375.1	395.2	458.8	458.8	308.1	267.9	257.9	257.9
60°	318.1	324.8	341.6	398.5	405.2	277.9	247.8	241.1	237.8
62.5°	274.6	277.9	291.3	344.9	358.3	244.5	224.4	221.0	217.7
65°	227.7	231.1	244.5	291.3	308.1	217.7	200.9	200.9	200.9
67.5°	184.2	187.5	200.9	237.8	261.2	187.5	180.8	180.8	180.8
70°	140.6	147.3	160.7	190.9	214.3	160.7	157.4	160.7	160.7
72.5°	103.8	110.5	123.9	150.7	174.1	134.0	137.3	140.6	144.0
75°	73.7	77.0	90.4	110.5	130.6	107.2	113.9	117.2	120.6
77.5°	50.2	53.6	60.3	77.0	93.8	80.4	87.1	93.8	100.5
80°	30.1	30.1	33.5	43.5	53.6	53.6	60.3	70.3	73.7
82.5°	13.4	13.4	16.7	20.1	23.4	26.8	33.5	36.8	36.8
85°	3.3	3.3	3.3	3.3	3.3	6.7	10.0	10.0	10.0
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)