

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: P303546

Luminaire Tested: **PR6FS24D010 PR6M24WW8FSBZ 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WW8FSBZ 3000lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2613.7 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 1.13 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

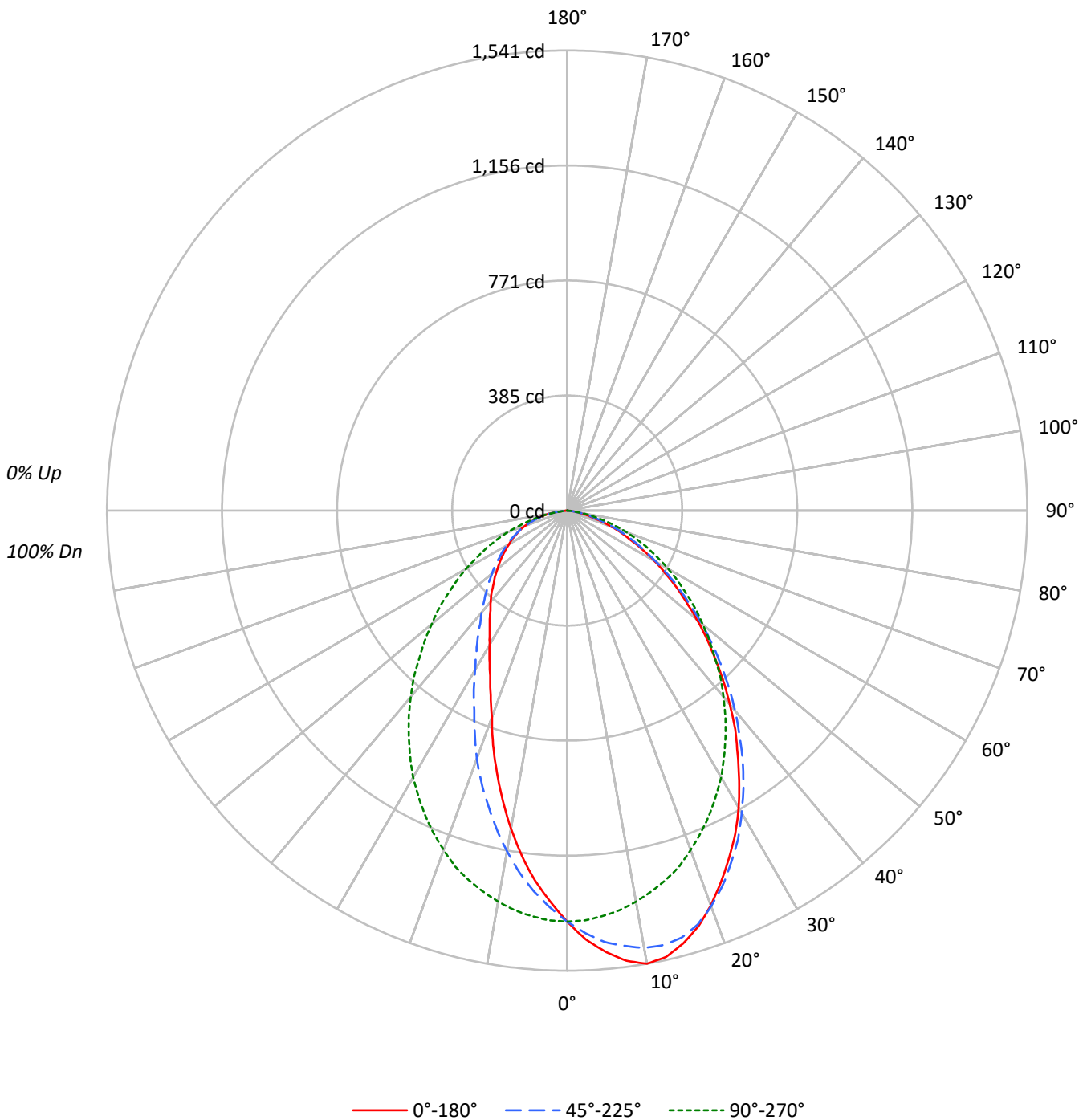
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	74	70	67	65					65			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57					57			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	41	35	59	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	42	36	32	42	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	89817	89817	89817
5°	97180	89282	81391
10°	102080	88095	71679
15°	101360	86427	61315
20°	97678	83959	51161
25°	92357	81019	43889
30°	86558	77721	39113
35°	79238	73631	36015
40°	72178	69325	33947
45°	64594	64594	32145
50°	57457	60177	30936
55°	50673	55632	30097
60°	44142	51136	29280
65°	36710	46018	28960
70°	30024	40248	28746
75°	21098	32089	27022
80°	13826	20138	22655
85°	2470	2470	5015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.8	4.9
10°-20°	349.5	13.4
20°-30°	474.3	18.1
30°-40°	501.0	19.2
40°-50°	449.9	17.2
50°-60°	351.3	13.4
60°-70°	233.7	8.9
70°-80°	111.2	4.3
80°-90°	13.9	0.5
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°	952.6	36.4
0°-40°	1453.6	55.6
0°-60°	2254.8	86.3
0°-90°	2613.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2613.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1377	1377	1377	1377	1377	
5°	1484	1450	1363	1280	1243	143
15°	1501	1481	1280	1022	908	421
25°	1283	1300	1126	737	610	590
35°	995	1025	924	523	452	623
45°	700	727	700	382	348	542
55°	446	459	489	278	265	399
65°	238	251	298	191	188	240
75°	84	97	127	104	107	94
85°	3	3	3	3	7	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°	1376.7	1376.7	1376.7	1376.7	1376.7	1376.7	1376.7	1376.7	1376.7
2.5°	1437.0	1430.3	1416.9	1396.8	1373.4	1349.9	1329.8	1319.8	1309.8
5°	1483.9	1473.9	1450.4	1410.2	1363.3	1319.8	1279.6	1252.8	1242.8
7.5°	1520.8	1507.4	1470.5	1416.9	1349.9	1279.6	1222.7	1179.1	1165.7
10°	1540.9	1527.5	1487.3	1416.9	1329.8	1239.4	1159.0	1102.1	1082.0
12.5°	1530.8	1524.1	1490.6	1413.6	1306.4	1192.5	1092.0	1025.0	994.9
15°	1500.7	1500.7	1480.6	1400.2	1279.6	1149.0	1021.7	937.9	907.8
17.5°	1460.5	1463.8	1453.8	1383.4	1249.5	1092.0	954.7	857.5	824.0
20°	1406.9	1410.2	1410.2	1356.6	1209.3	1038.4	884.3	770.4	736.9
22.5°	1346.6	1353.3	1360.0	1323.2	1169.1	984.8	807.3	700.1	669.9
25°	1283.0	1289.7	1299.7	1283.0	1125.5	927.9	736.9	636.5	609.7
27.5°	1219.3	1222.7	1239.4	1236.1	1078.6	870.9	676.6	586.2	562.8
30°	1149.0	1155.7	1169.1	1182.5	1031.7	810.6	616.4	542.7	519.2
32.5°	1071.9	1078.6	1098.7	1115.5	978.1	753.7	566.1	499.1	482.4
35°	994.9	1001.6	1025.0	1048.5	924.5	696.7	522.6	465.6	452.2
37.5°	924.5	931.2	948.0	981.5	870.9	639.8	479.0	435.5	422.1
40°	847.5	854.2	874.3	914.5	814.0	586.2	445.5	405.3	398.6
42.5°	773.8	780.5	800.6	844.1	760.4	536.0	412.0	381.9	375.2
45°	700.1	703.4	726.9	770.4	700.1	485.7	381.9	355.1	348.4
47.5°	633.1	636.5	656.6	706.8	646.5	442.2	355.1	331.6	328.3
50°	566.1	562.8	586.2	636.5	592.9	402.0	328.3	311.5	304.8
52.5°	502.5	502.5	519.2	572.8	542.7	365.1	304.8	288.1	284.7
55°	445.5	445.5	458.9	512.5	489.1	328.3	278.0	268.0	264.6
57.5°	388.6	388.6	402.0	448.9	438.8	294.8	257.9	244.5	244.5
60°	338.3	335.0	345.0	395.3	391.9	264.6	234.5	227.8	224.4
62.5°	288.1	284.7	294.8	338.3	341.7	234.5	214.4	207.7	207.7
65°	237.8	241.2	251.2	288.1	298.1	207.7	190.9	190.9	187.6
67.5°	197.6	201.0	207.7	241.2	254.6	180.9	170.8	170.8	170.8
70°	157.4	160.8	167.5	194.3	211.0	154.1	147.4	150.7	150.7
72.5°	120.6	123.9	130.6	150.7	167.5	127.3	127.3	130.6	130.6
75°	83.7	87.1	97.1	113.9	127.3	100.5	103.8	107.2	107.2
77.5°	56.9	56.9	63.6	77.0	90.4	73.7	80.4	83.7	87.1
80°	36.8	36.8	40.2	46.9	53.6	50.2	53.6	60.3	60.3
82.5°	16.7	16.7	20.1	20.1	23.4	23.4	26.8	26.8	30.1
85°	3.3	6.7	3.3	3.3	3.3	3.3	3.3	6.7	6.7
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)