

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: P303649

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSMW 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303649
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: PR6FS12D010 PR6M12WW8FSMW 2000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1975.3 lumens
Efficiency: N/A
Efficacy: 89.8 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

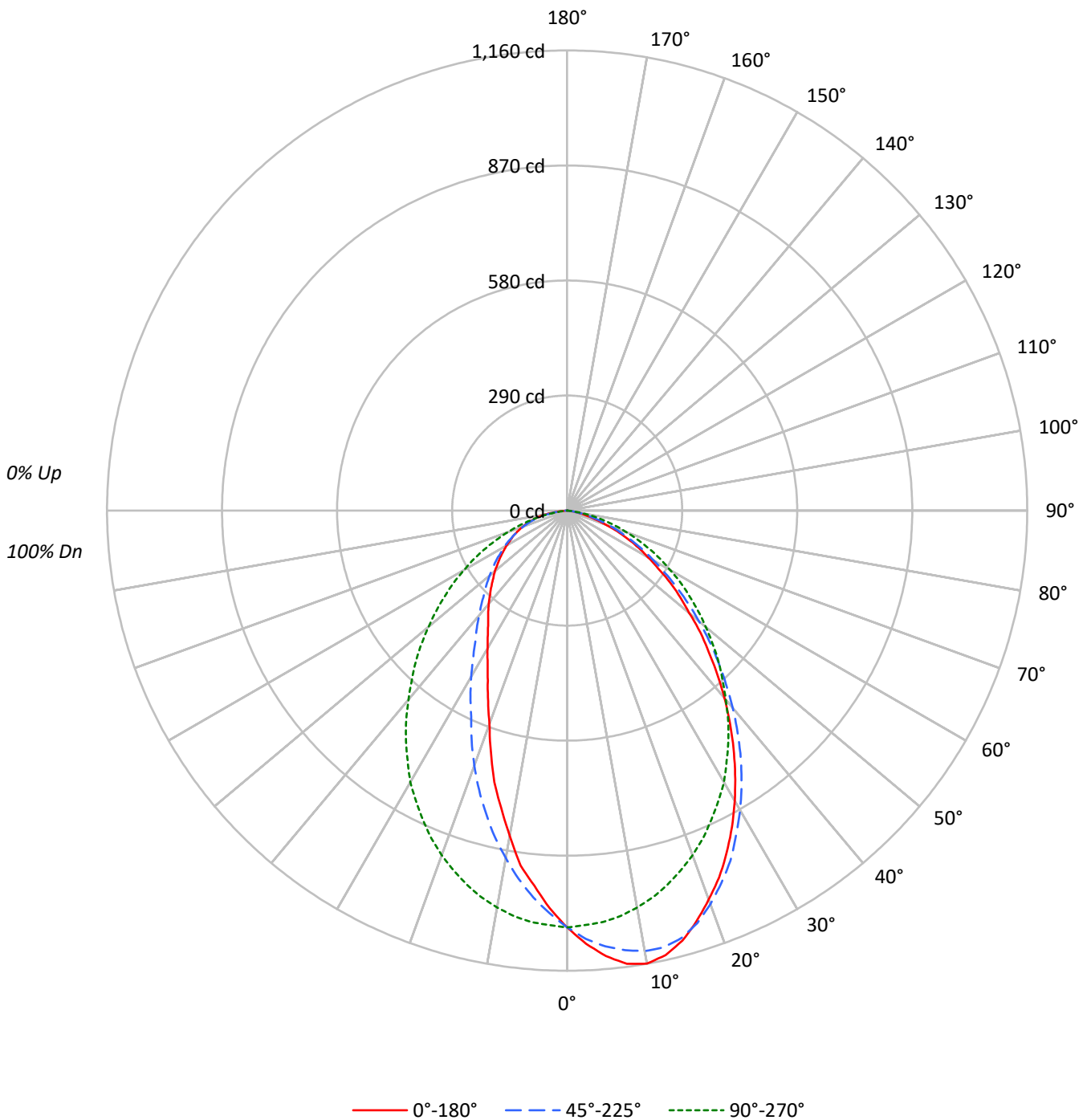
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	68548	68548	68548
5°	73840	68162	62156
10°	76833	67307	55157
15°	75823	65948	47867
20°	72434	64172	39740
25°	68501	61900	34071
30°	63657	59551	30246
35°	58220	56444	27629
40°	52547	52973	26171
45°	46640	49841	24921
50°	40751	46282	24146
55°	36079	42847	23397
60°	30715	39131	22952
65°	26012	35197	22955
70°	19857	30253	22680
75°	13738	24350	22485
80°	8378	14878	20476
85°	1871	1871	5539



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	5.0
10°-20°	265.9	13.5
20°-30°	359.6	18.2
30°-40°	378.5	19.2
40°-50°	338.8	17.2
50°-60°	264.3	13.4
60°-70°	175.3	8.9
70°-80°	83.6	4.2
80°-90°	11.1	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°	723.8	36.6
0°-40°	1102.2	55.8
0°-60°	1705.4	86.3
0°-90°	1975.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1051	1051	1051	1051	1051	
5°	1128	1103	1041	979	949	109
15°	1123	1115	976	790	709	314
25°	952	974	860	572	473	437
35°	731	763	709	404	347	456
45°	506	538	540	295	270	391
55°	317	337	377	218	206	283
65°	168	181	228	149	149	167
75°	54	67	97	84	89	61
85°	2	2	2	7	7	6
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°	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
2.5°	1092.8	1087.9	1080.5	1063.1	1045.8	1028.4	1016.0	1006.1	1003.6
5°	1127.5	1120.1	1102.8	1075.5	1040.8	1008.6	978.9	959.0	949.1
7.5°	1152.3	1142.4	1117.6	1080.5	1030.9	978.9	936.7	904.5	902.0
10°	1159.8	1152.3	1127.5	1080.5	1016.0	951.6	889.6	847.5	832.6
12.5°	1147.4	1144.9	1127.5	1075.5	998.7	916.9	842.6	788.0	768.2
15°	1122.6	1122.6	1115.1	1065.6	976.4	882.2	790.5	728.6	708.7
17.5°	1085.4	1087.9	1090.4	1050.7	951.6	840.1	738.5	666.6	639.4
20°	1043.3	1050.7	1055.7	1028.4	924.3	800.4	684.0	597.2	572.4
22.5°	1001.2	1006.1	1016.0	1003.6	894.6	758.3	629.4	542.7	520.4
25°	951.6	956.5	973.9	971.4	859.9	716.2	572.4	495.6	473.3
27.5°	899.6	907.0	921.9	931.8	825.2	671.6	527.8	453.5	433.7
30°	845.0	852.5	872.3	889.6	790.5	627.0	483.2	416.3	401.5
32.5°	788.0	795.5	817.8	842.6	748.4	582.4	441.1	386.6	371.7
35°	731.0	738.5	763.3	788.0	708.7	537.7	403.9	359.3	346.9
37.5°	674.0	681.5	706.3	738.5	666.6	498.1	374.2	334.5	327.1
40°	617.0	624.5	649.3	686.4	622.0	453.5	344.5	312.2	307.3
42.5°	560.1	570.0	592.3	631.9	579.9	413.8	319.7	294.9	287.5
45°	505.5	513.0	537.7	582.4	540.2	376.7	294.9	275.1	270.1
47.5°	456.0	458.4	485.7	530.3	498.1	342.0	275.1	257.7	252.8
50°	401.5	411.4	433.7	480.8	456.0	309.8	255.2	240.4	237.9
52.5°	359.3	361.8	384.1	433.7	416.3	280.0	235.4	225.5	220.6
55°	317.2	322.2	337.0	384.1	376.7	252.8	218.1	208.2	205.7
57.5°	272.6	277.5	292.4	339.5	339.5	228.0	198.2	190.8	190.8
60°	235.4	240.4	252.8	294.9	299.9	205.7	183.4	178.4	175.9
62.5°	203.2	205.7	215.6	255.2	265.2	180.9	166.0	163.6	161.1
65°	168.5	171.0	180.9	215.6	228.0	161.1	148.7	148.7	148.7
67.5°	136.3	138.8	148.7	175.9	193.3	138.8	133.8	133.8	133.8
70°	104.1	109.0	118.9	141.3	158.6	118.9	116.5	118.9	118.9
72.5°	76.8	81.8	91.7	111.5	128.9	99.1	101.6	104.1	106.6
75°	54.5	57.0	66.9	81.8	96.6	79.3	84.3	86.7	89.2
77.5°	37.2	39.6	44.6	57.0	69.4	59.5	64.4	69.4	74.3
80°	22.3	22.3	24.8	32.2	39.6	39.6	44.6	52.0	54.5
82.5°	9.9	9.9	12.4	14.9	17.3	19.8	24.8	27.3	27.3
85°	2.5	2.5	2.5	2.5	2.5	5.0	7.4	7.4	7.4
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)