

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: P303472

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSMW 1000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303472
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 PR6M12WW9FSMW 1000Lm4000K
Description: PR6 WALLWASH ASSEMBLY WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 781.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

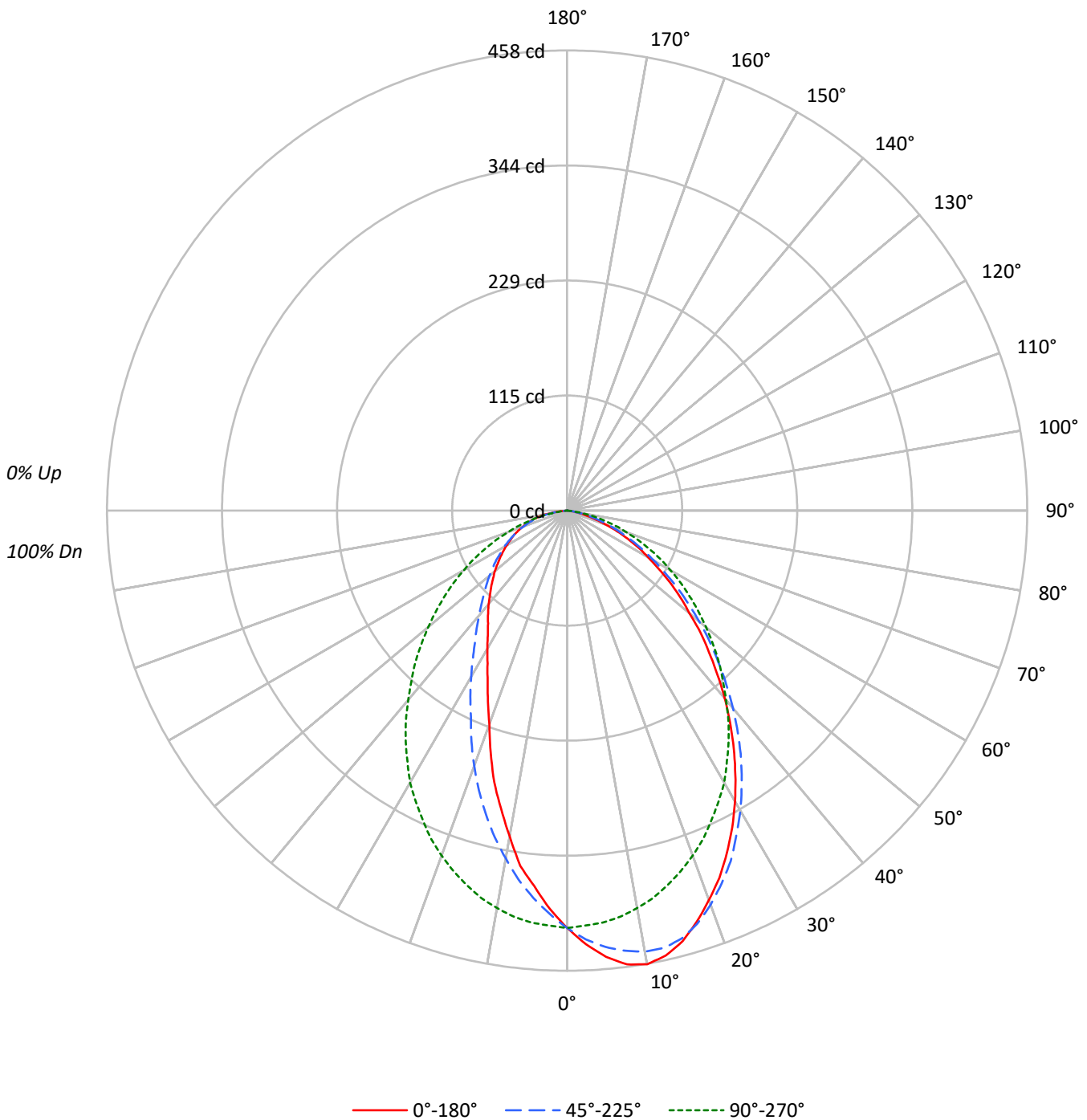
Input Watts (W): 10.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27101	27101	27101
5°	29195	26949	24578
10°	30374	26611	21809
15°	29975	26071	18925
20°	28639	25376	15711
25°	27081	24475	13468
30°	25169	23549	11955
35°	23017	22316	10927
40°	20780	20942	10348
45°	18444	19708	9854
50°	16107	18300	9551
55°	14263	16936	9247
60°	12148	15475	9081
65°	10281	13909	9077
70°	7859	11960	8965
75°	5445	9629	8898
80°	3306	5899	8115
85°	749	749	2171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	5.0
10°-20°	105.1	13.5
20°-30°	142.2	18.2
30°-40°	149.6	19.2
40°-50°	133.9	17.2
50°-60°	104.5	13.4
60°-70°	69.3	8.9
70°-80°	33.0	4.2
80°-90°	4.4	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°	286.2	36.6
0°-40°	435.8	55.8
0°-60°	674.3	86.3
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	415	415	415	415	415	
5°	446	436	412	387	375	43
15°	444	441	386	313	280	124
25°	376	385	340	226	187	173
35°	289	302	280	160	137	180
45°	200	213	214	117	107	155
55°	125	133	149	86	81	112
65°	67	72	90	59	59	66
75°	22	26	38	33	35	24
85°	1	1	1	3	3	3
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°	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4
2.5°	432.1	430.1	427.2	420.3	413.5	406.6	401.7	397.8	396.8
5°	445.8	442.9	436.0	425.2	411.5	398.8	387.0	379.2	375.3
7.5°	455.6	451.7	441.9	427.2	407.6	387.0	370.4	357.6	356.6
10°	458.5	455.6	445.8	427.2	401.7	376.2	351.7	335.1	329.2
12.5°	453.6	452.7	445.8	425.2	394.9	362.5	333.1	311.6	303.7
15°	443.8	443.8	440.9	421.3	386.0	348.8	312.6	288.1	280.2
17.5°	429.1	430.1	431.1	415.4	376.2	332.1	292.0	263.6	252.8
20°	412.5	415.4	417.4	406.6	365.5	316.5	270.4	236.1	226.3
22.5°	395.8	397.8	401.7	396.8	353.7	299.8	248.9	214.6	205.8
25°	376.2	378.2	385.1	384.1	340.0	283.2	226.3	196.0	187.1
27.5°	355.7	358.6	364.5	368.4	326.3	265.5	208.7	179.3	171.5
30°	334.1	337.0	344.9	351.7	312.6	247.9	191.1	164.6	158.7
32.5°	311.6	314.5	323.3	333.1	295.9	230.3	174.4	152.8	147.0
35°	289.0	292.0	301.8	311.6	280.2	212.6	159.7	142.1	137.2
37.5°	266.5	269.4	279.2	292.0	263.6	196.9	147.9	132.3	129.3
40°	244.0	246.9	256.7	271.4	245.9	179.3	136.2	123.5	121.5
42.5°	221.4	225.4	234.2	249.8	229.3	163.6	126.4	116.6	113.7
45°	199.9	202.8	212.6	230.3	213.6	148.9	116.6	108.8	106.8
47.5°	180.3	181.3	192.0	209.7	196.9	135.2	108.8	101.9	99.9
50°	158.7	162.6	171.5	190.1	180.3	122.5	100.9	95.0	94.1
52.5°	142.1	143.0	151.9	171.5	164.6	110.7	93.1	89.2	87.2
55°	125.4	127.4	133.3	151.9	148.9	99.9	86.2	82.3	81.3
57.5°	107.8	109.7	115.6	134.2	134.2	90.1	78.4	75.4	75.4
60°	93.1	95.0	99.9	116.6	118.6	81.3	72.5	70.5	69.6
62.5°	80.3	81.3	85.2	100.9	104.8	71.5	65.6	64.7	63.7
65°	66.6	67.6	71.5	85.2	90.1	63.7	58.8	58.8	58.8
67.5°	53.9	54.9	58.8	69.6	76.4	54.9	52.9	52.9	52.9
70°	41.2	43.1	47.0	55.8	62.7	47.0	46.1	47.0	47.0
72.5°	30.4	32.3	36.3	44.1	50.9	39.2	40.2	41.2	42.1
75°	21.6	22.5	26.5	32.3	38.2	31.4	33.3	34.3	35.3
77.5°	14.7	15.7	17.6	22.5	27.4	23.5	25.5	27.4	29.4
80°	8.8	8.8	9.8	12.7	15.7	15.7	17.6	20.6	21.6
82.5°	3.9	3.9	4.9	5.9	6.9	7.8	9.8	10.8	10.8
85°	1.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9	2.9
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)