

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: P303531

Luminaire Tested: **PR6FS12D010 PR6M12WW9FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303531
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: PR6FS12D010 PR6M12WW9FSBZ 1000lm3500K
Description: PR6 WALLWASH ASSEMBLY WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 780.3 lumens
Efficiency: N/A
Efficacy: 77.3 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

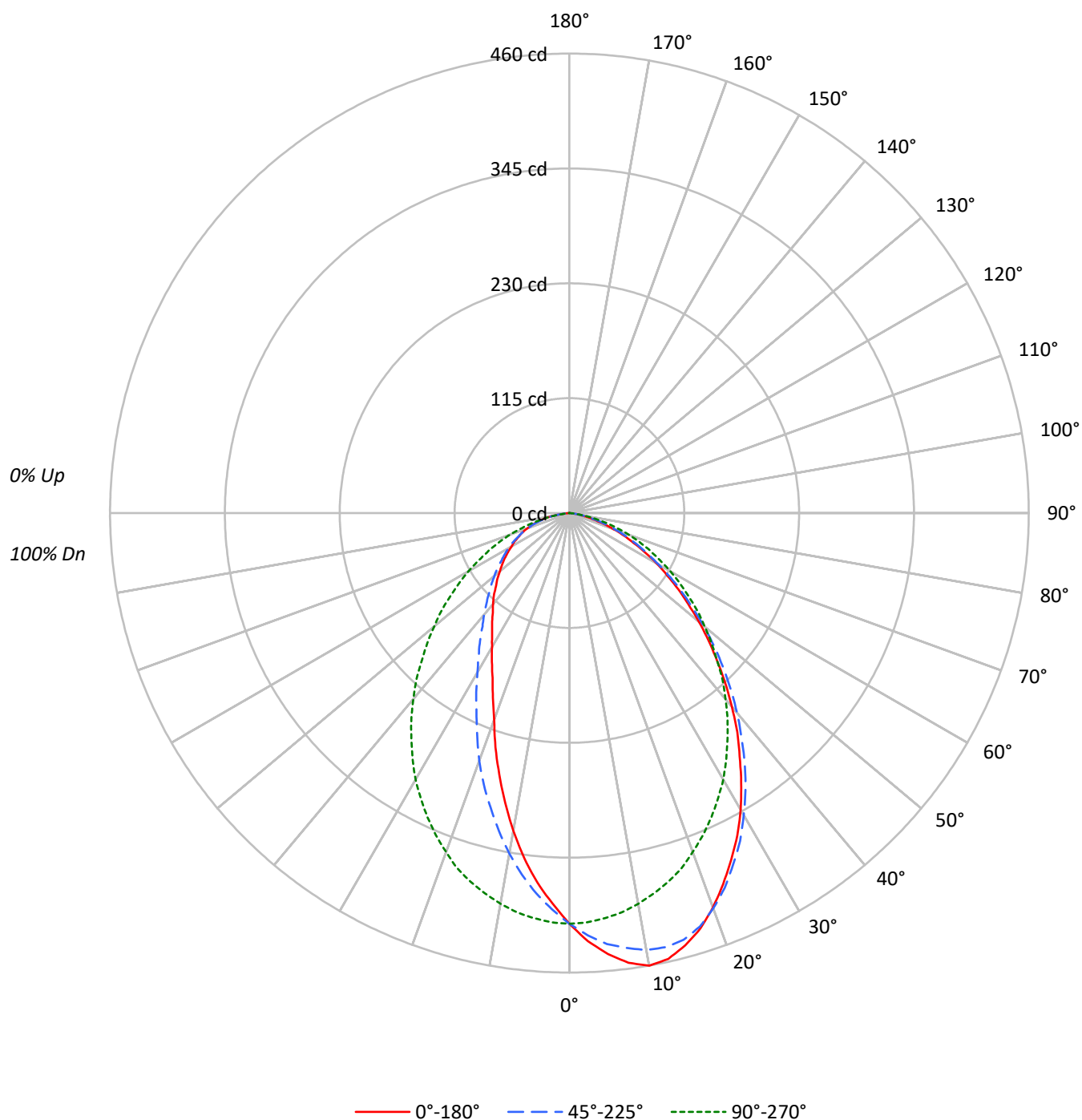
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87		
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65		
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57		
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50		
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45		
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	26820	26820	26820
5°	29019	26661	24303
10°	30480	26307	21404
15°	30266	25808	18304
20°	29167	25070	15274
25°	27577	24194	13101
30°	25847	23210	11677
35°	23662	21982	10752
40°	21547	20695	10135
45°	19283	19283	9595
50°	17153	17965	9236
55°	15128	16607	8986
60°	13179	15266	8742
65°	10960	13739	8645
70°	8965	12017	8584
75°	6302	9579	8066
80°	4133	6011	6763
85°	749	749	1497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	4.9
10°-20°	104.4	13.4
20°-30°	141.6	18.1
30°-40°	149.6	19.2
40°-50°	134.3	17.2
50°-60°	104.9	13.4
60°-70°	69.8	8.9
70°-80°	33.2	4.3
80°-90°	4.2	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°	284.4	36.4
0°-40°	434.0	55.6
0°-60°	673.2	86.3
0°-90°	780.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	411	411	411	411	411	
5°	443	433	407	382	371	43
15°	448	442	382	305	271	126
25°	383	388	336	220	182	176
35°	297	306	276	156	135	186
45°	209	217	209	114	104	162
55°	133	137	146	83	79	119
65°	71	75	89	57	56	72
75°	25	29	38	31	32	28
85°	1	1	1	1	2	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°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	429.1	427.1	423.1	417.1	410.1	403.1	397.1	394.1	391.1
5°	443.1	440.1	433.1	421.1	407.1	394.1	382.1	374.1	371.1
7.5°	454.1	450.1	439.1	423.1	403.1	382.1	365.1	352.1	348.1
10°	460.1	456.1	444.1	423.1	397.1	370.1	346.1	329.1	323.1
12.5°	457.1	455.1	445.1	422.1	390.1	356.1	326.1	306.1	297.1
15°	448.1	448.1	442.1	418.1	382.1	343.1	305.1	280.0	271.0
17.5°	436.1	437.1	434.1	413.1	373.1	326.1	285.1	256.0	246.0
20°	420.1	421.1	421.1	405.1	361.1	310.1	264.0	230.0	220.0
22.5°	402.1	404.1	406.1	395.1	349.1	294.1	241.0	209.0	200.0
25°	383.1	385.1	388.1	383.1	336.1	277.0	220.0	190.0	182.0
27.5°	364.1	365.1	370.1	369.1	322.1	260.0	202.0	175.0	168.0
30°	343.1	345.1	349.1	353.1	308.1	242.0	184.0	162.0	155.0
32.5°	320.1	322.1	328.1	333.1	292.1	225.0	169.0	149.0	144.0
35°	297.1	299.1	306.1	313.1	276.0	208.0	156.0	139.0	135.0
37.5°	276.0	278.0	283.0	293.1	260.0	191.0	143.0	130.0	126.0
40°	253.0	255.0	261.0	273.0	243.0	175.0	133.0	121.0	119.0
42.5°	231.0	233.0	239.0	252.0	227.0	160.0	123.0	114.0	112.0
45°	209.0	210.0	217.0	230.0	209.0	145.0	114.0	106.0	104.0
47.5°	189.0	190.0	196.0	211.0	193.0	132.0	106.0	99.0	98.0
50°	169.0	168.0	175.0	190.0	177.0	120.0	98.0	93.0	91.0
52.5°	150.0	150.0	155.0	171.0	162.0	109.0	91.0	86.0	85.0
55°	133.0	133.0	137.0	153.0	146.0	98.0	83.0	80.0	79.0
57.5°	116.0	116.0	120.0	134.0	131.0	88.0	77.0	73.0	73.0
60°	101.0	100.0	103.0	118.0	117.0	79.0	70.0	68.0	67.0
62.5°	86.0	85.0	88.0	101.0	102.0	70.0	64.0	62.0	62.0
65°	71.0	72.0	75.0	86.0	89.0	62.0	57.0	57.0	56.0
67.5°	59.0	60.0	62.0	72.0	76.0	54.0	51.0	51.0	51.0
70°	47.0	48.0	50.0	58.0	63.0	46.0	44.0	45.0	45.0
72.5°	36.0	37.0	39.0	45.0	50.0	38.0	38.0	39.0	39.0
75°	25.0	26.0	29.0	34.0	38.0	30.0	31.0	32.0	32.0
77.5°	17.0	17.0	19.0	23.0	27.0	22.0	24.0	25.0	26.0
80°	11.0	11.0	12.0	14.0	16.0	15.0	16.0	18.0	18.0
82.5°	5.0	5.0	6.0	6.0	7.0	7.0	8.0	8.0	9.0
85°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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)