

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: P303528

Luminaire Tested: **PR6FS12D010 PR6M12WW8FSBZ 1000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303528
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 PR6M12WW8FSBZ 1000lm3500K
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: 1029.0 lumens
Efficiency: N/A
Efficacy: 101.9 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

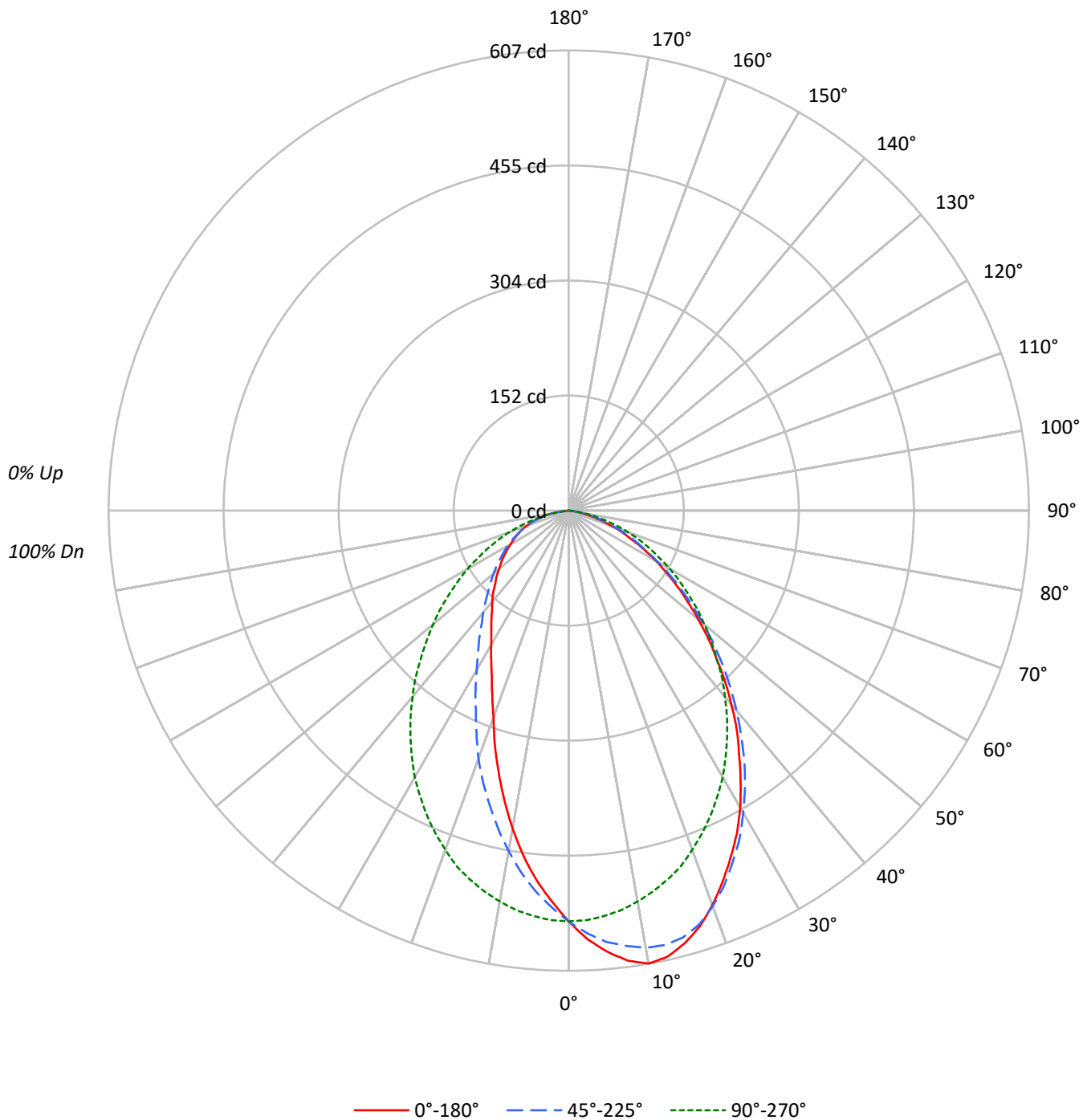
Input Watts (W): 10.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	35360	35360	35360
5°	38266	35155	32044
10°	40192	34687	28221
15°	39904	34028	24140
20°	38456	33054	20141
25°	36360	31897	17276
30°	34081	30600	15398
35°	31197	28990	14177
40°	28420	27296	13362
45°	25428	25428	12659
50°	22624	23689	12180
55°	19951	21907	11852
60°	17380	20133	11535
65°	14449	18123	11408
70°	11827	15851	11312
75°	8318	12629	10637
80°	5448	7927	8904
85°	973	973	1946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	4.9
10°-20°	137.6	13.4
20°-30°	186.7	18.1
30°-40°	197.3	19.2
40°-50°	177.1	17.2
50°-60°	138.3	13.4
60°-70°	92.0	8.9
70°-80°	43.8	4.3
80°-90°	5.5	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°	375.0	36.4
0°-40°	572.3	55.6
0°-60°	887.7	86.3
0°-90°	1029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1029.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	542	542	542	542	542	
5°	584	571	537	504	489	56
15°	591	583	504	402	357	166
25°	505	512	443	290	240	232
35°	392	404	364	206	178	245
45°	276	286	276	150	137	213
55°	175	181	193	110	104	157
65°	94	99	117	75	74	94
75°	33	38	50	41	42	37
85°	1	1	1	1	3	4
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°	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0
2.5°	565.8	563.2	557.9	550.0	540.7	531.5	523.6	519.6	515.7
5°	584.3	580.3	571.1	555.2	536.8	519.6	503.8	493.3	489.3
7.5°	598.8	593.5	579.0	557.9	531.5	503.8	481.4	464.2	459.0
10°	606.7	601.4	585.6	557.9	523.6	488.0	456.3	433.9	426.0
12.5°	602.7	600.1	586.9	556.6	514.4	469.5	429.9	403.6	391.7
15°	590.8	590.8	582.9	551.3	503.8	452.4	402.3	369.3	357.4
17.5°	575.0	576.3	572.4	544.7	491.9	429.9	375.9	337.6	324.4
20°	553.9	555.2	555.2	534.1	476.1	408.8	348.2	303.3	290.1
22.5°	530.2	532.8	535.5	520.9	460.3	387.7	317.8	275.6	263.8
25°	505.1	507.8	511.7	505.1	443.1	365.3	290.1	250.6	240.0
27.5°	480.1	481.4	488.0	486.7	424.7	342.9	266.4	230.8	221.6
30°	452.4	455.0	460.3	465.6	406.2	319.2	242.7	213.7	204.4
32.5°	422.0	424.7	432.6	439.2	385.1	296.7	222.9	196.5	189.9
35°	391.7	394.3	403.6	412.8	364.0	274.3	205.7	183.3	178.0
37.5°	364.0	366.6	373.2	386.4	342.9	251.9	188.6	171.5	166.2
40°	333.7	336.3	344.2	360.0	320.5	230.8	175.4	159.6	156.9
42.5°	304.7	307.3	315.2	332.4	299.4	211.0	162.2	150.3	147.7
45°	275.6	277.0	286.2	303.3	275.6	191.2	150.3	139.8	137.2
47.5°	249.3	250.6	258.5	278.3	254.5	174.1	139.8	130.6	129.2
50°	222.9	221.6	230.8	250.6	233.4	158.3	129.2	122.7	120.0
52.5°	197.8	197.8	204.4	225.5	213.7	143.8	120.0	113.4	112.1
55°	175.4	175.4	180.7	201.8	192.6	129.2	109.5	105.5	104.2
57.5°	153.0	153.0	158.3	176.7	172.8	116.1	101.6	96.3	96.3
60°	133.2	131.9	135.8	155.6	154.3	104.2	92.3	89.7	88.4
62.5°	113.4	112.1	116.1	133.2	134.5	92.3	84.4	81.8	81.8
65°	93.6	95.0	98.9	113.4	117.4	81.8	75.2	75.2	73.9
67.5°	77.8	79.1	81.8	95.0	100.2	71.2	67.3	67.3	67.3
70°	62.0	63.3	65.9	76.5	83.1	60.7	58.0	59.3	59.3
72.5°	47.5	48.8	51.4	59.3	65.9	50.1	50.1	51.4	51.4
75°	33.0	34.3	38.2	44.8	50.1	39.6	40.9	42.2	42.2
77.5°	22.4	22.4	25.1	30.3	35.6	29.0	31.7	33.0	34.3
80°	14.5	14.5	15.8	18.5	21.1	19.8	21.1	23.7	23.7
82.5°	6.6	6.6	7.9	7.9	9.2	9.2	10.6	10.6	11.9
85°	1.3	2.6	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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)