

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: P303613

Luminaire Tested: **PR6FS12D010 PR6M12MD8FSMW 2000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS12D010 PR6M12MD8FSMW 2000Lm4000K
Description: PR6 MEDIUM LENS 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: 2567.6 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

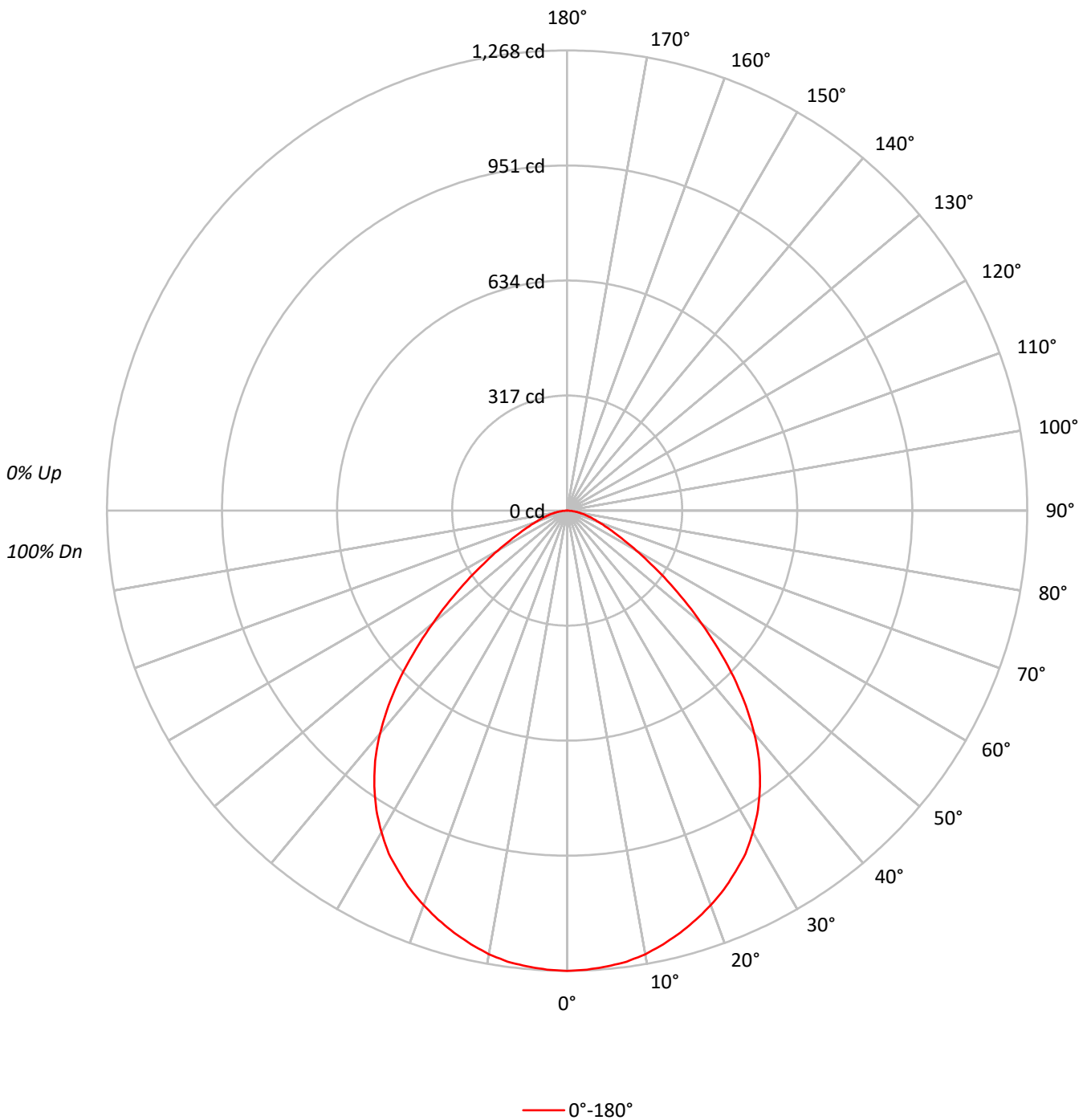
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35
10	58	46	39	34	57	46	38	34	45	38	34	44	38	33	43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82758
5°	82589
10°	82232
15°	81327
20°	80328
25°	79011
30°	77089
35°	73798
40°	68362
45°	59889
50°	49033
55°	38332
60°	28771
65°	21797
70°	17492
75°	14998
80°	13037
85°	9282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	4.7
10°-20°	339.6	13.2
20°-30°	505.4	19.7
30°-40°	576.5	22.5
40°-50°	497.1	19.4
50°-60°	304.5	11.9
60°-70°	144.9	5.6
70°-80°	64.3	2.5
80°-90°	15.5	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°	964.8	37.6
0°-40°	1541.3	60.0
0°-60°	2342.9	91.2
0°-90°	2567.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2567.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1268	
5°	1261	120
15°	1204	340
25°	1098	505
35°	927	576
45°	649	497
55°	337	304
65°	141	145
75°	60	64
85°	12	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1268.5
2.5°	1266.1
5°	1261.1
7.5°	1253.7
10°	1241.3
12.5°	1223.9
15°	1204.1
17.5°	1181.8
20°	1157.0
22.5°	1129.8
25°	1097.6
27.5°	1065.4
30°	1023.3
32.5°	978.7
35°	926.6
37.5°	869.6
40°	802.7
42.5°	728.4
45°	649.1
47.5°	564.9
50°	483.1
52.5°	406.3
55°	337.0
57.5°	272.5
60°	220.5
62.5°	175.9
65°	141.2
67.5°	114.0
70°	91.7
72.5°	74.3
75°	59.5
77.5°	47.1
80°	34.7
82.5°	24.8
85°	12.4
87.5°	2.5
90°	0.0

(END OF REPORT)