

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: P303366

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSBZ 3000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24MD8FSBZ 3000Lm3500K
Description: PR6 MEDIUM LENS 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: 3050.4 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.24
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

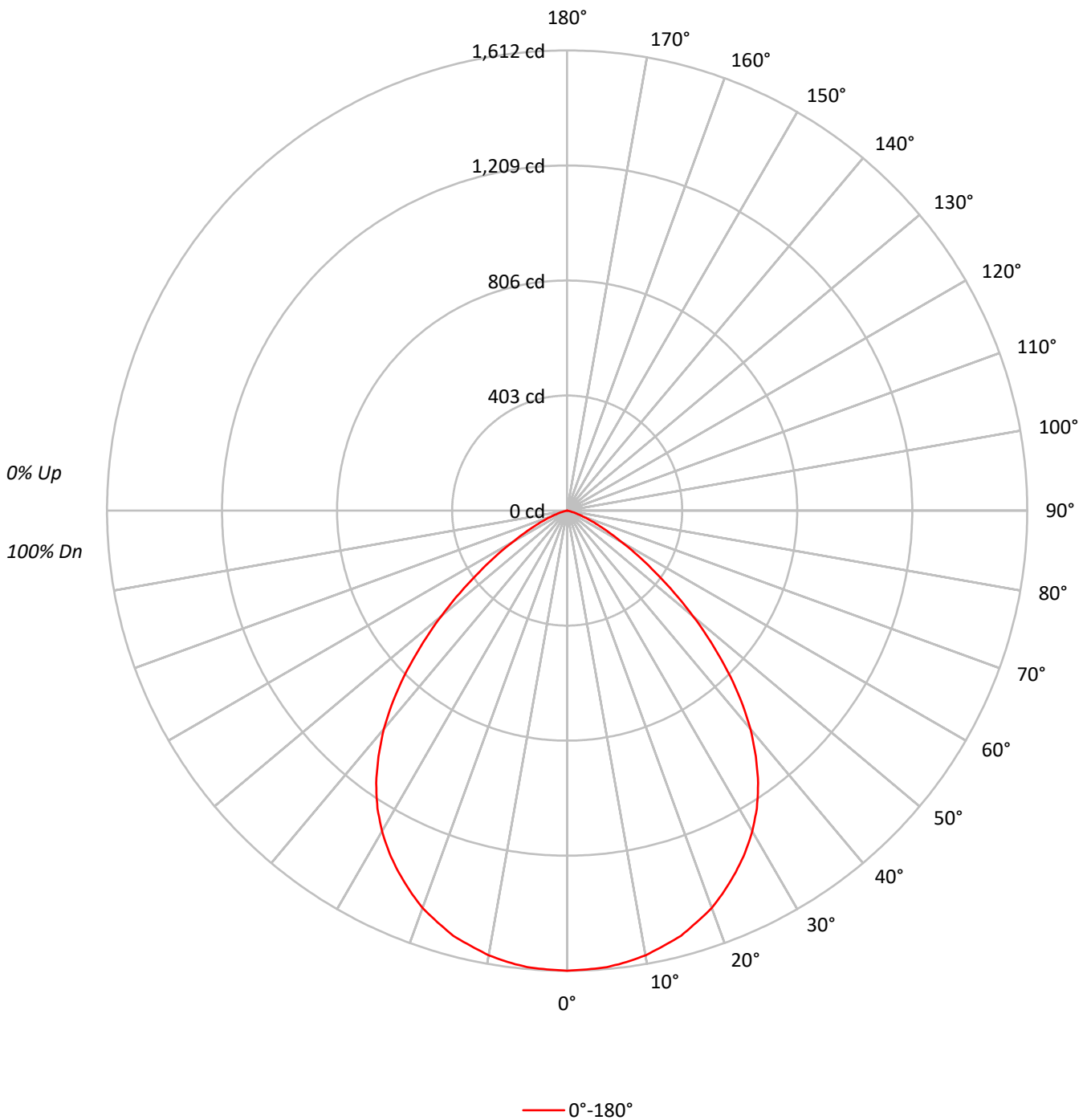
Input Watts (W): 26.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	112	108	105	102	109	106	103	101	102	100	97		98	96	94		95	93	92	90
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	88	82	76	94	87	81	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	67	88	78	72	67	76	70	66		74	69	65		72	68	64	62
5	83	72	65	59	81	71	64	59	69	63	58		68	62	58		66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52		62	56	52		61	55	51	50
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56	51	46	45
8	68	56	48	43	66	55	48	43	54	47	43		53	47	42		52	46	42	41
9	64	52	44	39	62	51	44	39	50	43	39		49	43	39		48	43	39	37
10	60	48	41	36	59	47	40	36	46	40	36		45	40	36		45	39	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	105174
5°	105137
10°	104796
15°	104130
20°	102850
25°	100606
30°	97707
35°	92889
40°	85055
45°	73285
50°	58513
55°	42699
60°	28862
65°	18108
70°	10224
75°	4235
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	5.0
10°-20°	434.1	14.2
20°-30°	643.1	21.1
30°-40°	724.5	23.8
40°-50°	608.7	20.0
50°-60°	342.7	11.2
60°-70°	122.8	4.0
70°-80°	22.0	0.7
80°-90°	0.0	0.0
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°	1229.7	40.3
0°-40°	1954.2	64.1
0°-60°	2905.6	95.3
0°-90°	3050.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3050.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1612	
5°	1605	152
15°	1542	434
25°	1398	643
35°	1166	725
45°	794	609
55°	375	343
65°	117	123
75°	17	22
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1612.1
2.5°	1608.7
5°	1605.4
7.5°	1595.3
10°	1581.9
12.5°	1561.8
15°	1541.7
17.5°	1511.5
20°	1481.4
22.5°	1441.1
25°	1397.6
27.5°	1350.7
30°	1297.0
32.5°	1236.7
35°	1166.3
37.5°	1085.9
40°	998.7
42.5°	901.6
45°	794.3
47.5°	683.7
50°	576.5
52.5°	472.6
55°	375.4
57.5°	294.9
60°	221.2
62.5°	164.2
65°	117.3
67.5°	80.4
70°	53.6
72.5°	33.5
75°	16.8
77.5°	6.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)