

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: P303466

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 4000Lm4000K**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: PR6FS24D010 PR6M24WD9FSBZ 4000Lm4000K  
Description: PR6 WIDE LENS WITH, BRONZE FINISH  
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3262.8 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

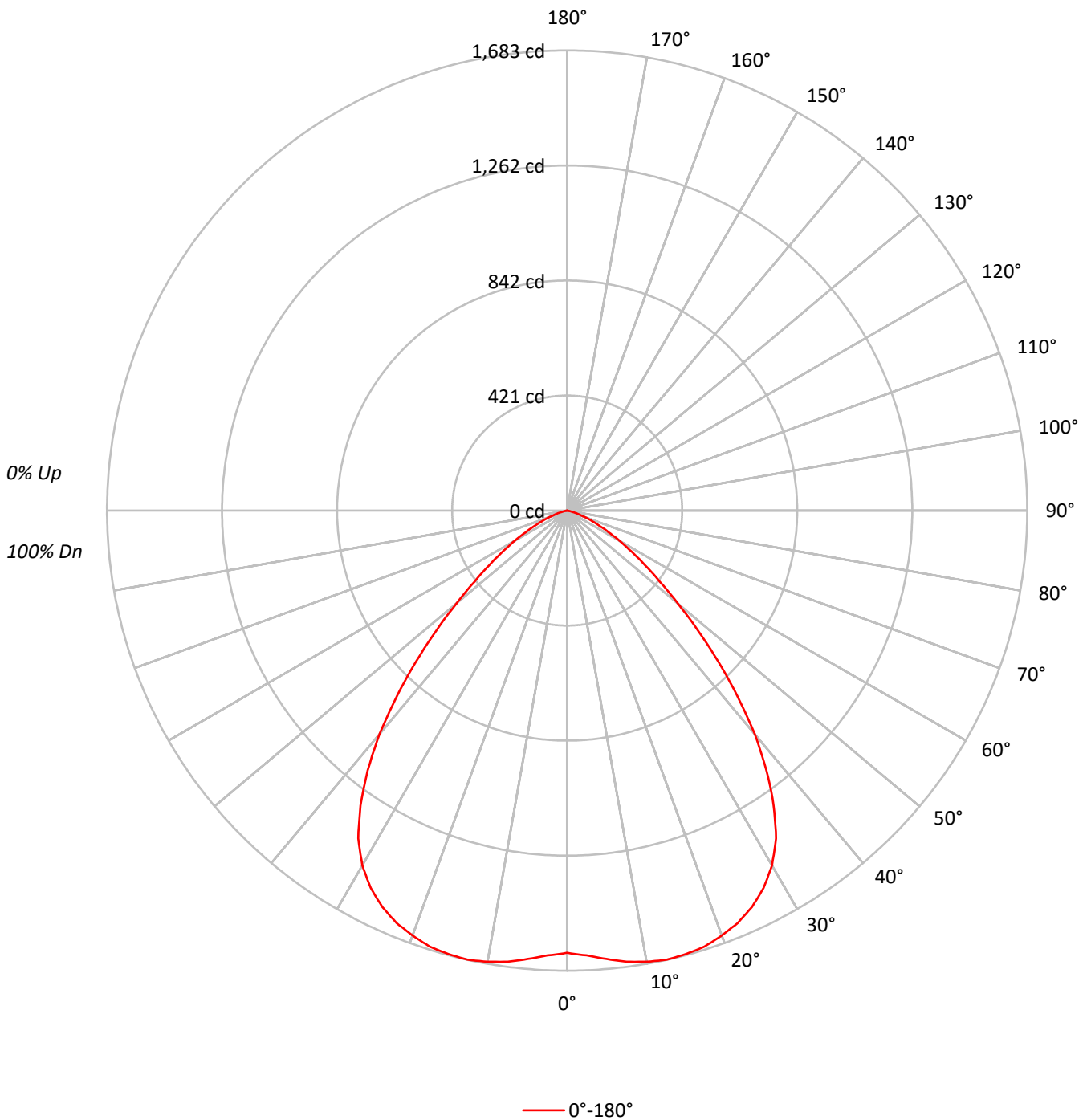
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66		75	70	66		73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53		63	57	53		61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48		58	52	48		56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43		53	48	43		52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45	40	36	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	105527
5°	107829
10°	110990
15°	113403
20°	114812
25°	115133
30°	112857
35°	104907
40°	90914
45°	72114
50°	53621
55°	39515
60°	28797
65°	19559
70°	12418
75°	5470
80°	1353
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.1	4.8
10°-20°	474.4	14.5
20°-30°	734.3	22.5
30°-40°	814.4	25.0
40°-50°	604.1	18.5
50°-60°	317.6	9.7
60°-70°	131.5	4.0
70°-80°	27.9	0.9
80°-90°	0.5	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°	1366.7	41.9
0°-40°	2181.2	66.8
0°-60°	3102.8	95.1
0°-90°	3262.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3262.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1618	
5°	1646	158
15°	1679	474
25°	1599	734
35°	1317	814
45°	782	604
55°	347	318
65°	127	131
75°	22	28
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1617.5
2.5°	1628.4
5°	1646.5
7.5°	1664.6
10°	1675.4
12.5°	1682.7
15°	1679.0
17.5°	1671.8
20°	1653.7
22.5°	1632.0
25°	1599.4
27.5°	1556.0
30°	1498.1
32.5°	1422.1
35°	1317.2
37.5°	1197.8
40°	1067.5
42.5°	922.7
45°	781.6
47.5°	647.7
50°	528.3
52.5°	427.0
55°	347.4
57.5°	278.6
60°	220.7
62.5°	170.1
65°	126.7
67.5°	94.1
70°	65.1
72.5°	43.4
75°	21.7
77.5°	7.2
80°	3.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)