

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: P303373

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSBZ 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303373
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 4000Lm4000K
Description: PR6 MEDIUM LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4170.0 lumens
Efficiency: N/A
Efficacy: 92.7 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

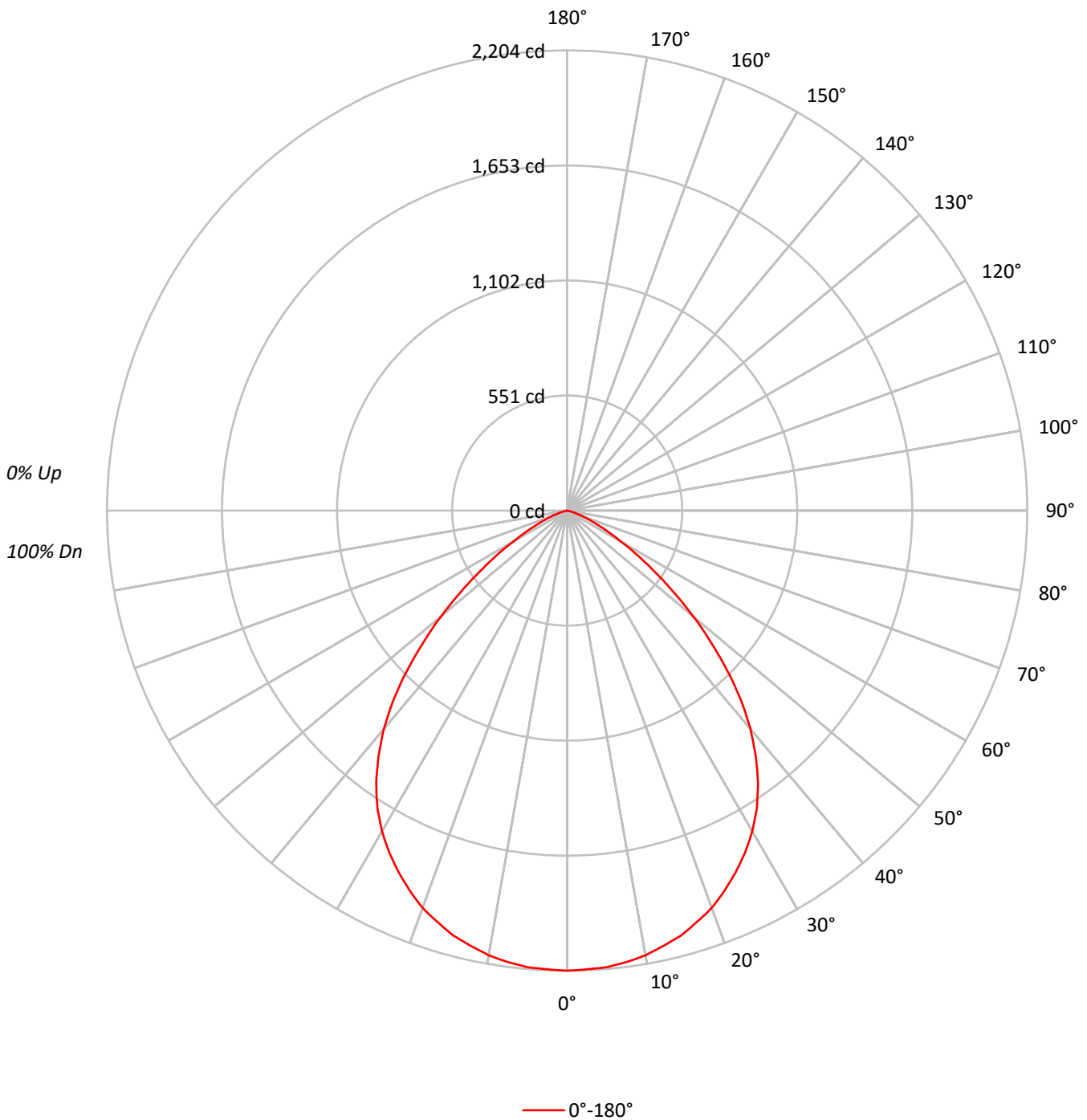
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	143771
5°	143724
10°	143259
15°	142345
20°	140598
25°	137527
30°	133574
35°	126985
40°	116277
45°	100180
50°	79979
55°	58362
60°	39458
65°	24761
70°	13982
75°	5772
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	5.0
10°-20°	593.5	14.2
20°-30°	879.1	21.1
30°-40°	990.5	23.8
40°-50°	832.1	20.0
50°-60°	468.5	11.2
60°-70°	168.0	4.0
70°-80°	30.0	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°	1681.0	40.3
0°-40°	2671.4	64.1
0°-60°	3972.0	95.3
0°-90°	4170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4170.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2204	
5°	2195	208
15°	2108	593
25°	1910	879
35°	1594	990
45°	1086	832
55°	513	469
65°	160	168
75°	23	30
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2203.7
2.5°	2199.2
5°	2194.6
7.5°	2180.8
10°	2162.5
12.5°	2135.0
15°	2107.5
17.5°	2066.3
20°	2025.1
22.5°	1970.1
25°	1910.5
27.5°	1846.4
30°	1773.1
32.5°	1690.6
35°	1594.4
37.5°	1484.4
40°	1365.3
42.5°	1232.4
45°	1085.8
47.5°	934.6
50°	788.0
52.5°	646.0
55°	513.1
57.5°	403.2
60°	302.4
62.5°	224.5
65°	160.4
67.5°	110.0
70°	73.3
72.5°	45.8
75°	22.9
77.5°	9.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)