

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: P303307

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 3000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303307
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: PR6FS24D010 PR6M24MD8FSMW 3000Lm4000K
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: 3295.8 lumens
Efficiency: N/A
Efficacy: 115.6 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

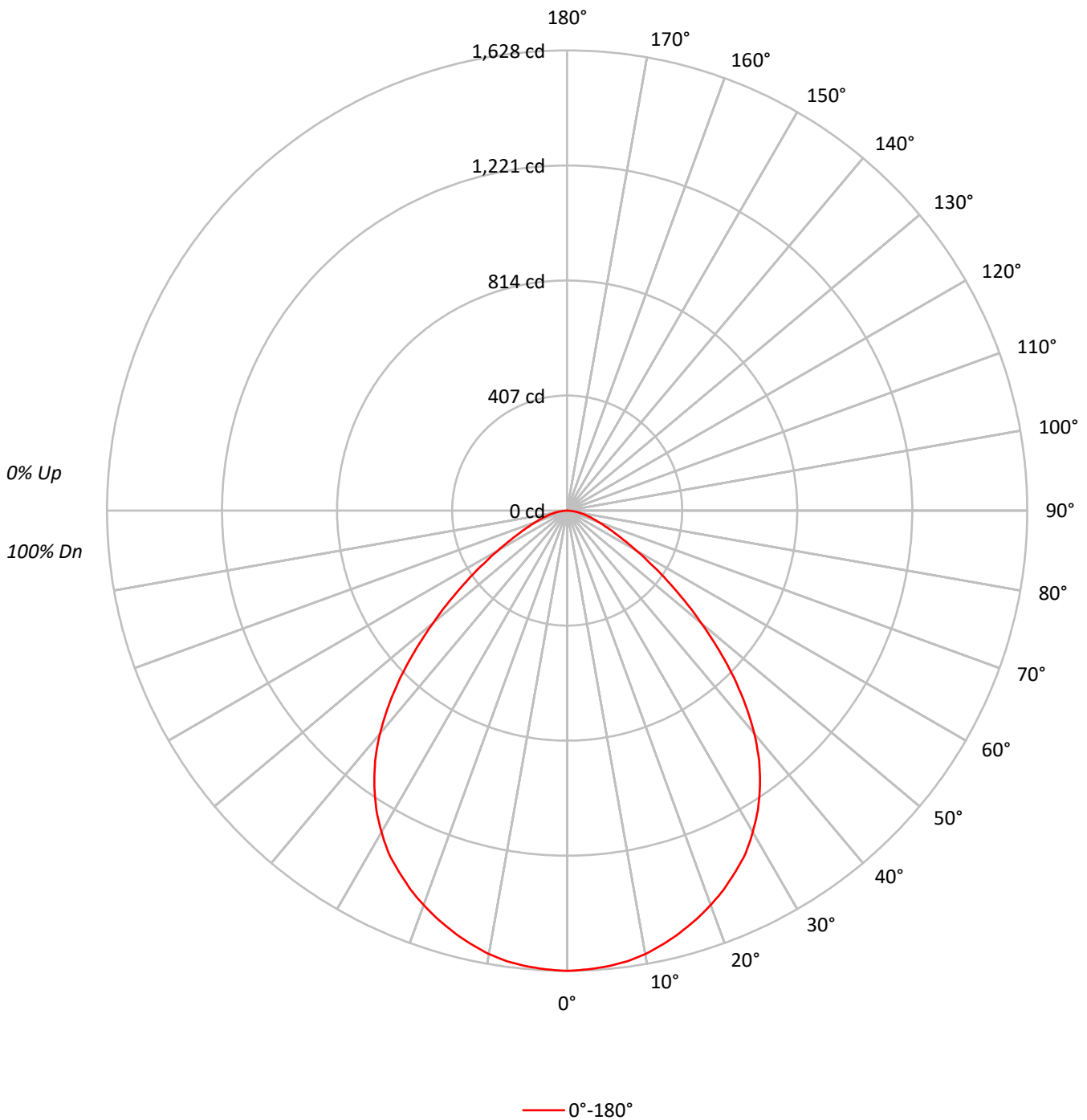
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	106231
5°	106015
10°	105551
15°	104393
20°	103114
25°	101420
30°	98950
35°	94729
40°	87755
45°	76875
50°	62948
55°	49194
60°	36926
65°	27988
70°	22451
75°	19233
80°	16719
85°	11902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	4.7
10°-20°	435.9	13.2
20°-30°	648.7	19.7
30°-40°	740.0	22.5
40°-50°	638.1	19.4
50°-60°	390.8	11.9
60°-70°	186.0	5.6
70°-80°	82.6	2.5
80°-90°	19.9	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°	1238.4	37.6
0°-40°	1978.4	60.0
0°-60°	3007.3	91.2
0°-90°	3295.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3295.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1628	
5°	1619	154
15°	1546	436
25°	1409	649
35°	1189	740
45°	833	638
55°	432	391
65°	181	186
75°	76	83
85°	16	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1628.3
2.5°	1625.1
5°	1618.8
7.5°	1609.2
10°	1593.3
12.5°	1571.1
15°	1545.6
17.5°	1517.0
20°	1485.2
22.5°	1450.2
25°	1408.9
27.5°	1367.5
30°	1313.5
32.5°	1256.2
35°	1189.4
37.5°	1116.3
40°	1030.4
42.5°	935.0
45°	833.2
47.5°	725.1
50°	620.2
52.5°	521.6
55°	432.5
57.5°	349.8
60°	283.0
62.5°	225.8
65°	181.3
67.5°	146.3
70°	117.7
72.5°	95.4
75°	76.3
77.5°	60.4
80°	44.5
82.5°	31.8
85°	15.9
87.5°	3.2
90°	0.0

(END OF REPORT)