

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: P303405

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSMW 4000Lm3500K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD9FSMW 4000Lm3500K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4112.1 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.28
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

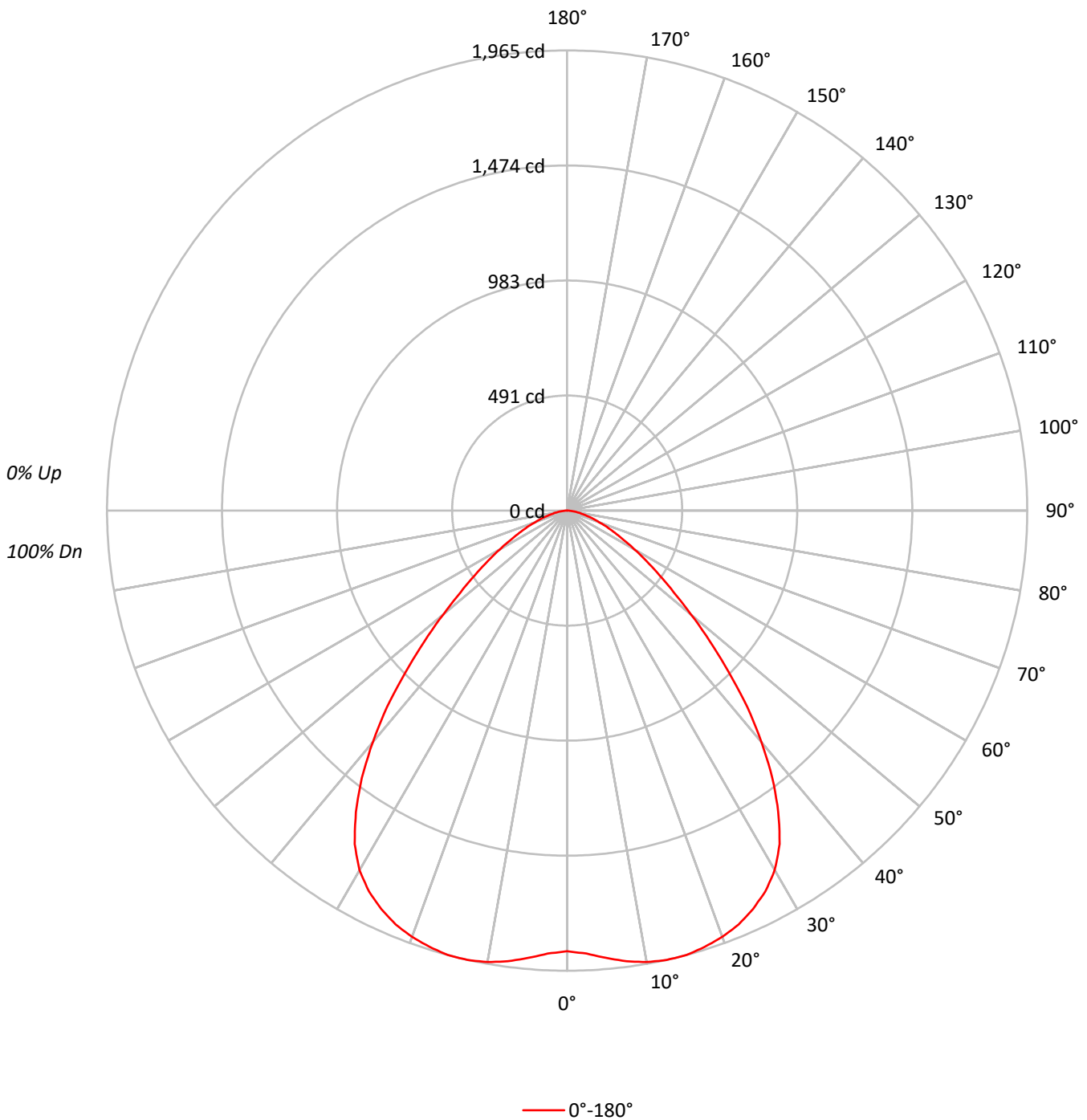
Input Watts (W): 39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	88	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	34	45	39	34	44	38	34	43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122731
5°	125564
10°	129672
15°	132747
20°	134502
25°	135130
30°	133559
35°	125224
40°	110000
45°	89930
50°	70022
55°	54745
60°	43437
65°	34672
70°	27544
75°	22233
80°	18071
85°	11977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	4.5
10°-20°	554.7	13.5
20°-30°	863.2	21.0
30°-40°	973.0	23.7
40°-50°	754.6	18.4
50°-60°	438.2	10.7
60°-70°	227.3	5.5
70°-80°	96.1	2.3
80°-90°	20.7	0.5
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°	1602.2	39.0
0°-40°	2575.2	62.6
0°-60°	3768.0	91.6
0°-90°	4112.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4112.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1881	
5°	1917	184
15°	1965	555
25°	1877	863
35°	1572	973
45°	975	755
55°	481	438
65°	225	227
75°	88	96
85°	16	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1881.2
2.5°	1893.2
5°	1917.3
7.5°	1941.4
10°	1957.4
12.5°	1965.4
15°	1965.4
17.5°	1953.4
20°	1937.3
22.5°	1913.3
25°	1877.2
27.5°	1833.1
30°	1772.9
32.5°	1688.7
35°	1572.3
37.5°	1440.0
40°	1291.6
42.5°	1139.1
45°	974.7
47.5°	826.3
50°	689.9
52.5°	573.6
55°	481.3
57.5°	401.1
60°	332.9
62.5°	272.8
65°	224.6
67.5°	184.5
70°	144.4
72.5°	116.3
75°	88.2
77.5°	64.2
80°	48.1
82.5°	32.1
85°	16.0
87.5°	4.0
90°	0.0

(END OF REPORT)