

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: P303403

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303403
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 PR6M24WD8FSMW 4000Lm4000K
Description: PR6 WIDE 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: 4692.8 lumens
Efficiency: N/A
Efficacy: 104.3 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

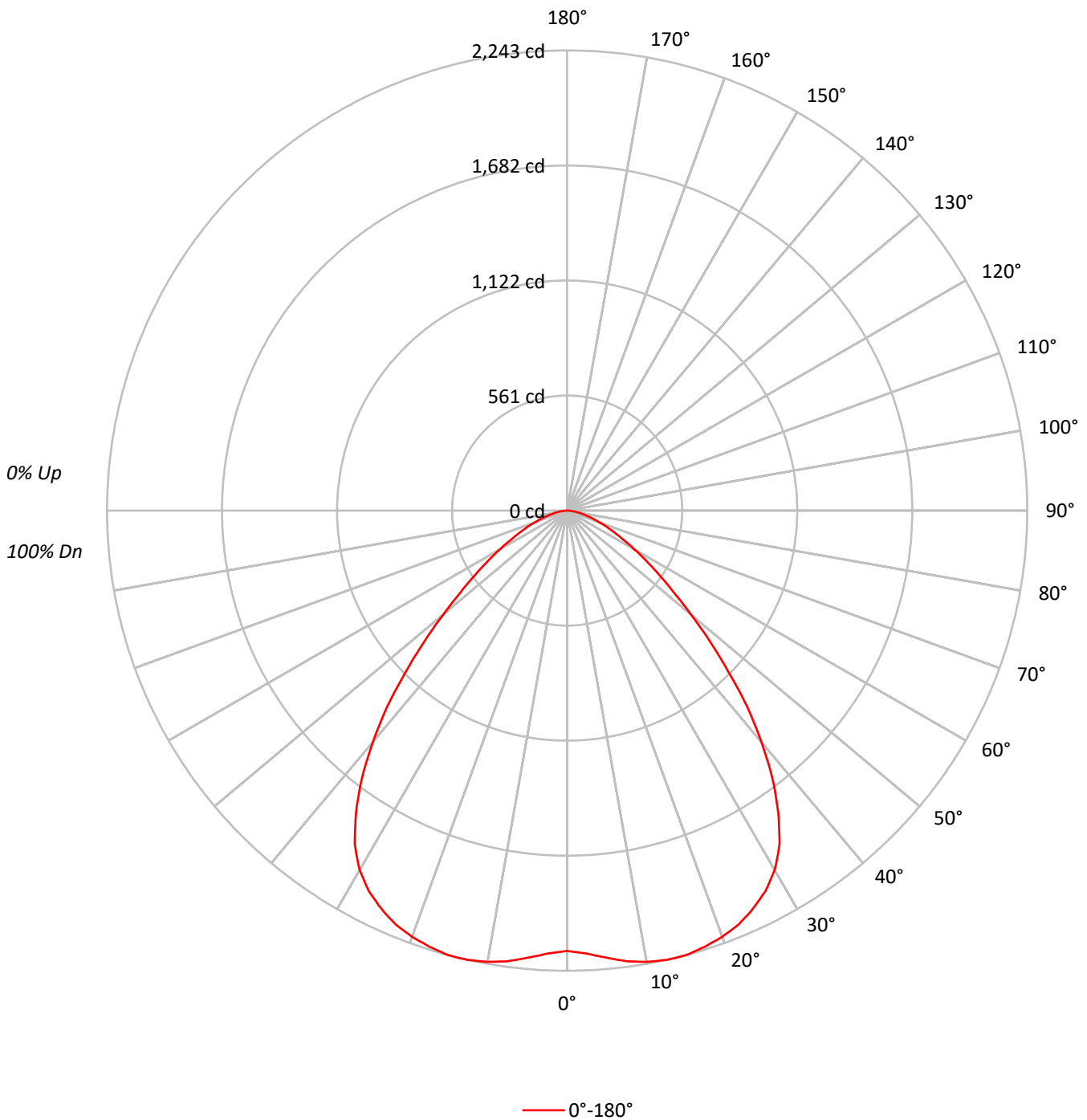
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	140059
5°	143292
10°	147983
15°	151497
20°	153498
25°	154214
30°	152422
35°	142913
40°	125534
45°	102625
50°	79908
55°	62479
60°	49570
65°	39566
70°	31436
75°	25383
80°	20626
85°	13699



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	4.5
10°-20°	633.0	13.5
20°-30°	985.1	21.0
30°-40°	1110.4	23.7
40°-50°	861.2	18.4
50°-60°	500.1	10.7
60°-70°	259.4	5.5
70°-80°	109.7	2.3
80°-90°	23.6	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°	1828.5	39.0
0°-40°	2938.8	62.6
0°-60°	4300.1	91.6
0°-90°	4692.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4692.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2147	
5°	2188	210
15°	2243	633
25°	2142	985
35°	1794	1110
45°	1112	861
55°	549	500
65°	256	259
75°	101	110
85°	18	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2146.8
2.5°	2160.6
5°	2188.0
7.5°	2215.5
10°	2233.8
12.5°	2243.0
15°	2243.0
17.5°	2229.2
20°	2210.9
22.5°	2183.5
25°	2142.3
27.5°	2091.9
30°	2023.3
32.5°	1927.1
35°	1794.4
37.5°	1643.3
40°	1474.0
42.5°	1300.0
45°	1112.3
47.5°	943.0
50°	787.3
52.5°	654.6
55°	549.3
57.5°	457.7
60°	379.9
62.5°	311.3
65°	256.3
67.5°	210.6
70°	164.8
72.5°	132.7
75°	100.7
77.5°	73.2
80°	54.9
82.5°	36.6
85°	18.3
87.5°	4.6
90°	0.0

(END OF REPORT)