

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: P303313

Luminaire Tested: **PR6FS24D010 PR6M24MD8FSMW 4000Lm4000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303313
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 4000Lm4000K
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: 4743.2 lumens
Efficiency: N/A
Efficacy: 105.4 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

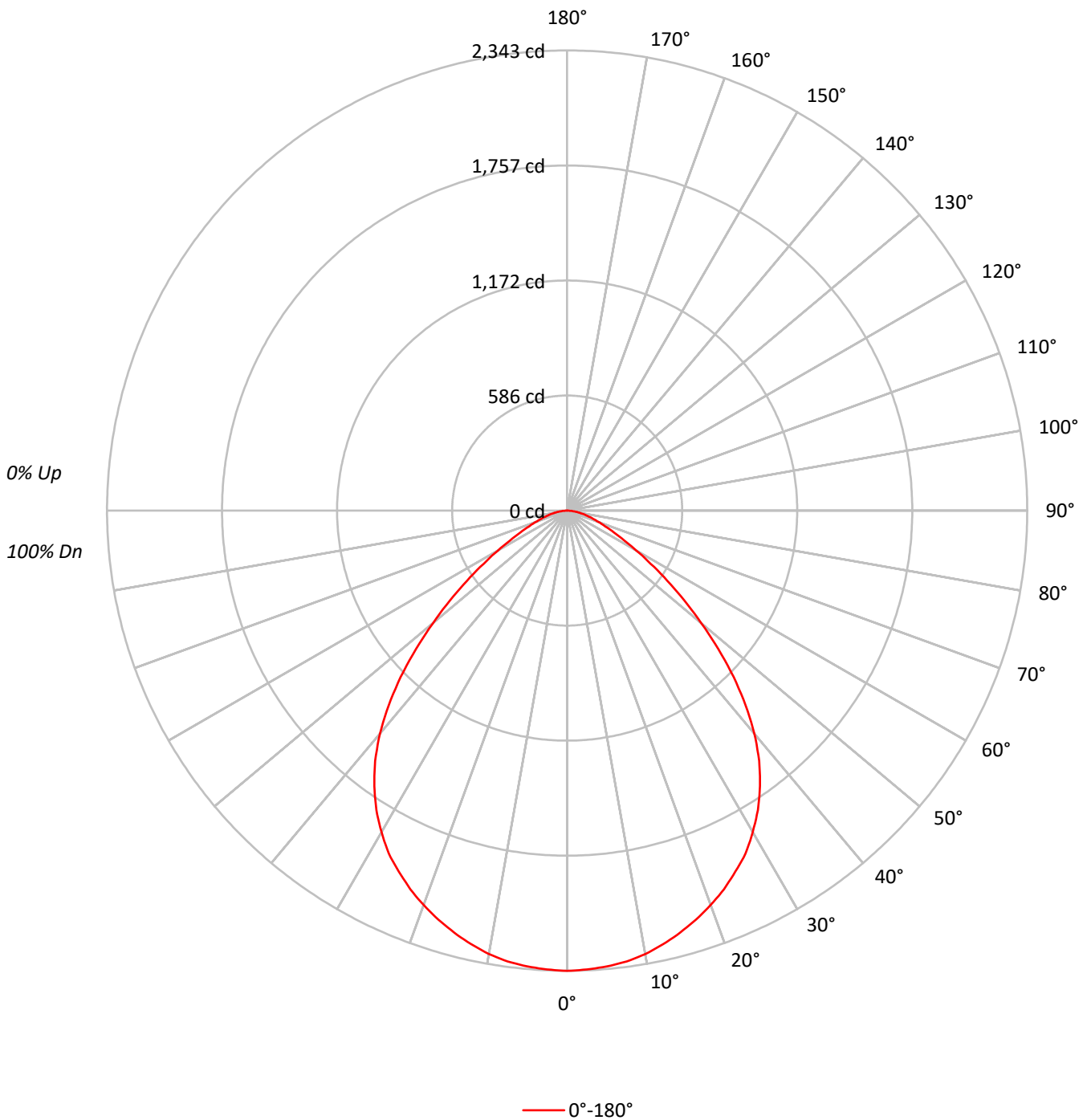
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	152885
5°	152572
10°	151905
15°	150241
20°	148395
25°	145957
30°	142403
35°	136335
40°	126292
45°	110643
50°	90586
55°	70805
60°	53145
65°	40276
70°	32294
75°	27677
80°	24083
85°	17142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	4.7
10°-20°	627.3	13.2
20°-30°	933.6	19.7
30°-40°	1065.0	22.5
40°-50°	918.4	19.4
50°-60°	562.5	11.9
60°-70°	267.7	5.6
70°-80°	118.8	2.5
80°-90°	28.6	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°	1782.2	37.6
0°-40°	2847.2	60.0
0°-60°	4328.1	91.2
0°-90°	4743.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2343	
5°	2330	221
15°	2224	627
25°	2028	934
35°	1712	1065
45°	1199	918
55°	622	562
65°	261	268
75°	110	119
85°	23	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2343.4
2.5°	2338.8
5°	2329.7
7.5°	2315.9
10°	2293.0
12.5°	2261.0
15°	2224.4
17.5°	2183.2
20°	2137.4
22.5°	2087.1
25°	2027.6
27.5°	1968.1
30°	1890.3
32.5°	1807.9
35°	1711.8
37.5°	1606.5
40°	1482.9
42.5°	1345.6
45°	1199.2
47.5°	1043.5
50°	892.5
52.5°	750.6
55°	622.5
57.5°	503.5
60°	407.3
62.5°	325.0
65°	260.9
67.5°	210.5
70°	169.3
72.5°	137.3
75°	109.8
77.5°	87.0
80°	64.1
82.5°	45.8
85°	22.9
87.5°	4.6
90°	0.0

(END OF REPORT)