

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: P303395

Luminaire Tested: **PR6FS24D010 PR6M24WD8FSMW 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303395
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 3000Lm3000K
Description: PR6 WIDE LENS WITH, MATTE WHITE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2771.4 lumens
Efficiency: N/A
Efficacy: 97.2 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

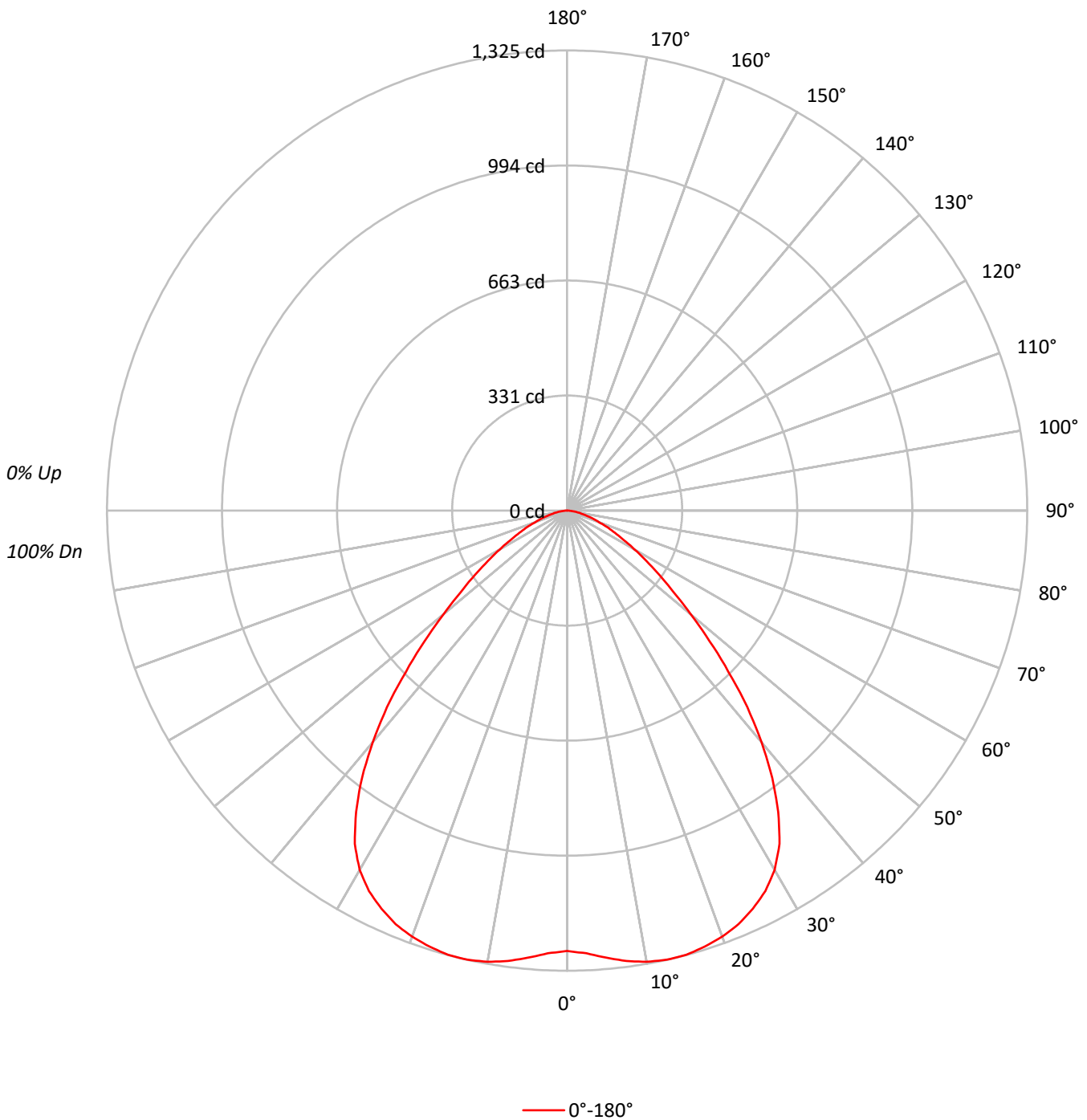
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	82712
5°	84619
10°	87393
15°	89466
20°	90652
25°	91068
30°	90008
35°	84399
40°	74128
45°	60608
50°	47196
55°	36898
60°	29280
65°	23372
70°	18560
75°	14998
80°	12173
85°	8084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	4.5
10°-20°	373.8	13.5
20°-30°	581.7	21.0
30°-40°	655.7	23.7
40°-50°	508.6	18.4
50°-60°	295.4	10.7
60°-70°	153.2	5.5
70°-80°	64.8	2.3
80°-90°	13.9	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°	1079.8	39.0
0°-40°	1735.5	62.6
0°-60°	2539.5	91.6
0°-90°	2771.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2771.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1268	
5°	1292	124
15°	1325	374
25°	1265	582
35°	1060	656
45°	657	509
55°	324	295
65°	151	153
75°	60	65
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1267.8
2.5°	1275.9
5°	1292.1
7.5°	1308.4
10°	1319.2
12.5°	1324.6
15°	1324.6
17.5°	1316.5
20°	1305.7
22.5°	1289.4
25°	1265.1
27.5°	1235.4
30°	1194.8
32.5°	1138.1
35°	1059.7
37.5°	970.5
40°	870.4
42.5°	767.7
45°	656.9
47.5°	556.9
50°	465.0
52.5°	386.6
55°	324.4
57.5°	270.3
60°	224.4
62.5°	183.8
65°	151.4
67.5°	124.3
70°	97.3
72.5°	78.4
75°	59.5
77.5°	43.3
80°	32.4
82.5°	21.6
85°	10.8
87.5°	2.7
90°	0.0

(END OF REPORT)