

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: P303458

Luminaire Tested: **PR6FS24D010 PR6M24WD9FSBZ 3000Lm3000K**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P303458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-195-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: PR6FS24D010 PR6M24WD9FSBZ 3000Lm3000K
Description: PR6 WIDE LENS WITH, BRONZE FINISH
Light Source: ARRAY OF HIGH LUMEN LEDs 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2320.8 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.26
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

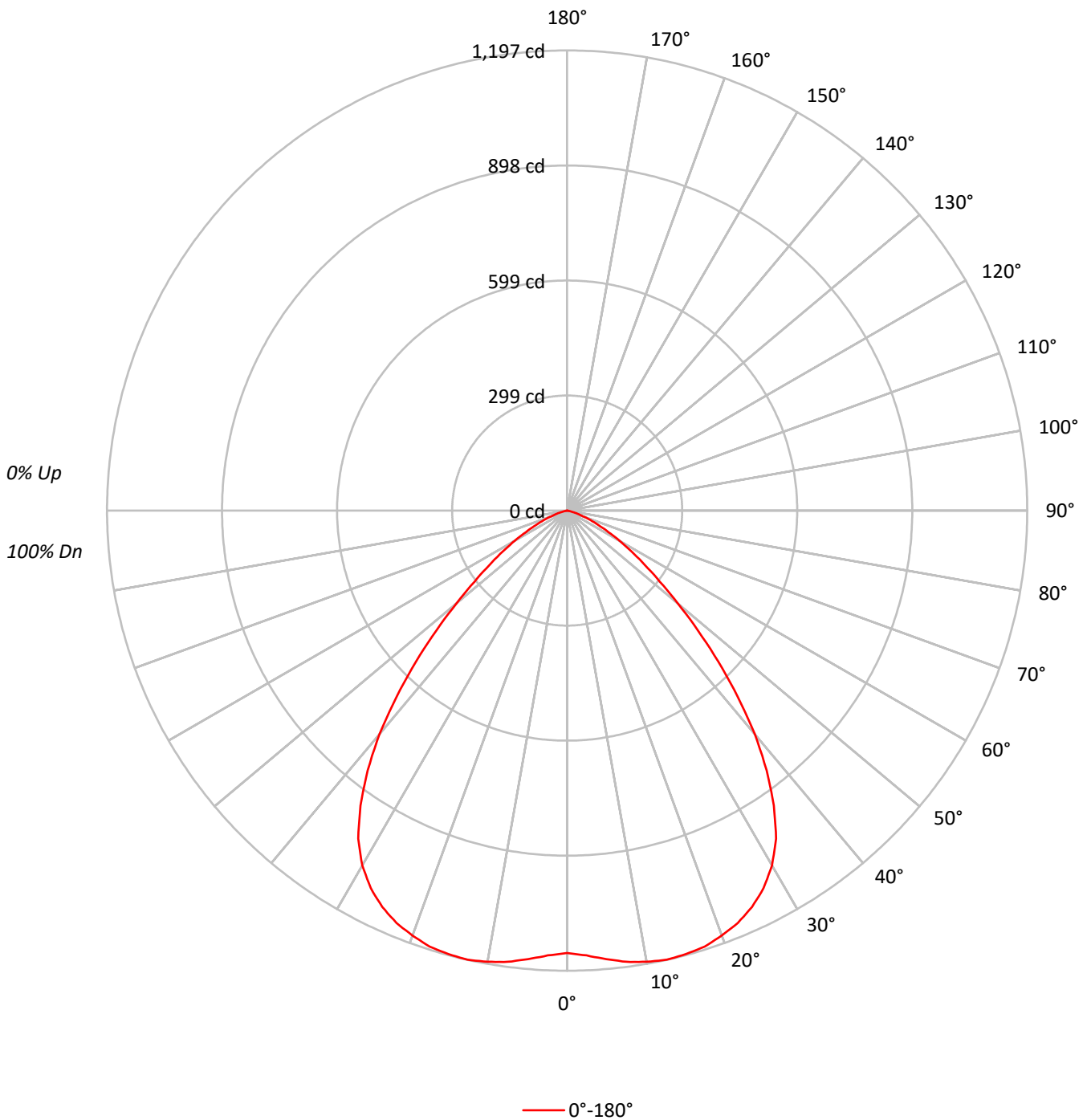
Input Watts (W): 28.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	80	73	68	88	79	72	67	77	71	66		75	70	66		73	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	78	67	59	54	76	66	59	53	64	58	53		63	57	53		61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48		58	52	48		56	51	47	46
8	68	56	49	44	67	56	49	44	55	48	43		53	48	43		52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49	43	39	38
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75066
5°	76695
10°	78947
15°	80665
20°	81668
25°	81897
30°	80275
35°	74619
40°	64666
45°	51299
50°	38142
55°	28106
60°	20486
65°	13909
70°	8832
75°	3882
80°	977
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	4.8
10°-20°	337.4	14.5
20°-30°	522.3	22.5
30°-40°	579.3	25.0
40°-50°	429.7	18.5
50°-60°	225.9	9.7
60°-70°	93.5	4.0
70°-80°	19.9	0.9
80°-90°	0.4	0.0
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°	972.2	41.9
0°-40°	1551.5	66.8
0°-60°	2207.1	95.1
0°-90°	2320.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2320.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1151	
5°	1171	112
15°	1194	337
25°	1138	522
35°	937	579
45°	556	430
55°	247	226
65°	90	94
75°	15	20
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1150.6
2.5°	1158.3
5°	1171.1
7.5°	1184.0
10°	1191.7
12.5°	1196.9
15°	1194.3
17.5°	1189.2
20°	1176.3
22.5°	1160.8
25°	1137.7
27.5°	1106.8
30°	1065.6
32.5°	1011.6
35°	936.9
37.5°	852.0
40°	759.3
42.5°	656.4
45°	556.0
47.5°	460.7
50°	375.8
52.5°	303.7
55°	247.1
57.5°	198.2
60°	157.0
62.5°	121.0
65°	90.1
67.5°	66.9
70°	46.3
72.5°	30.9
75°	15.4
77.5°	5.1
80°	2.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)