

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: PORTFOLIO

Report Number: P251296

Luminaire Tested: **LSR8B60D010 EC8B609730 8LBS0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P251296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-16)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B60D010 EC8B609730 8LBS0GPH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT- CYLINDEC  
90 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5104.1 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

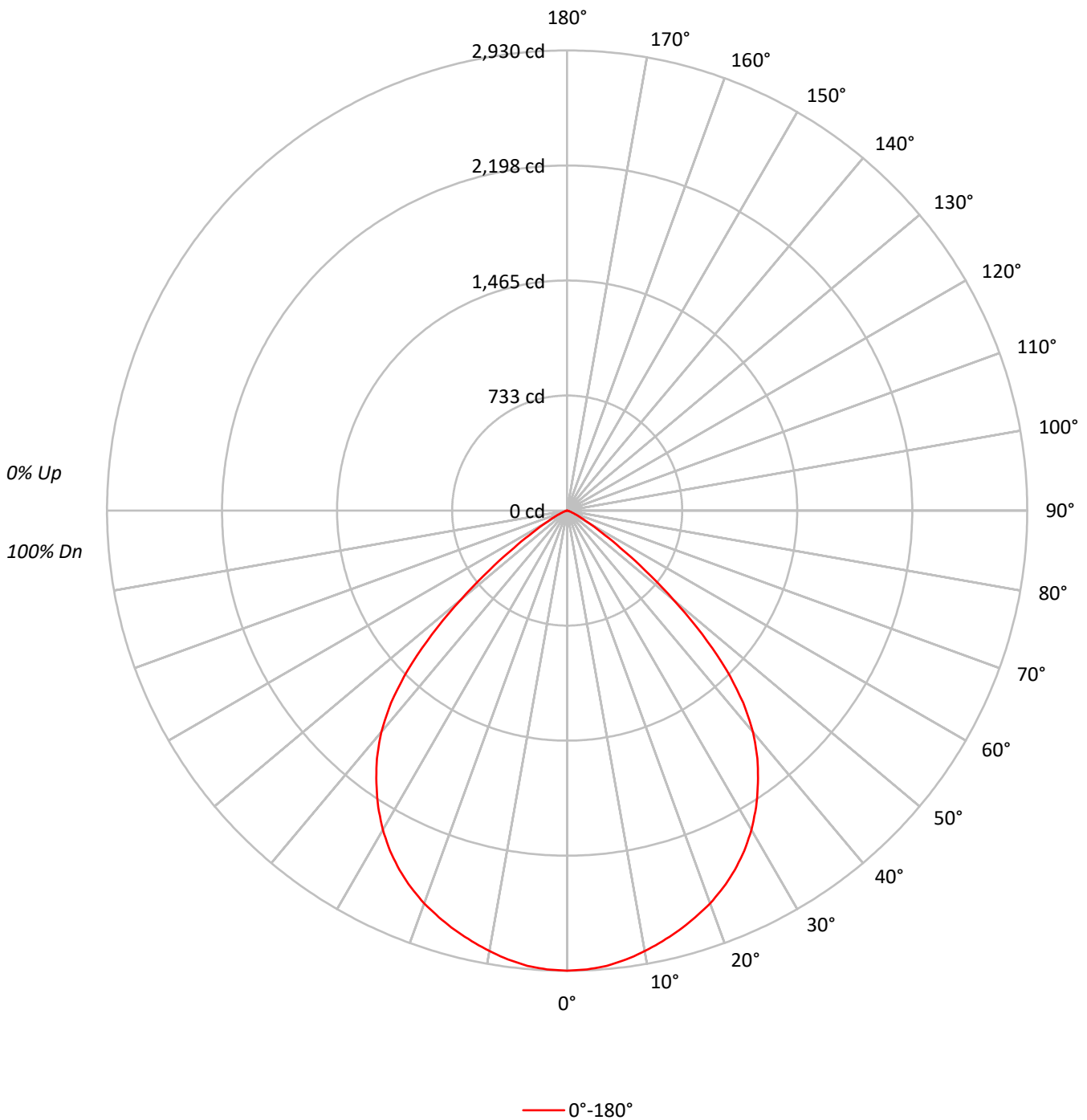
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61		70	65	61		68	64	60	58
6	79	69	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	74	63	56	50	73	62	55	50	61	55	50		59	54	50		58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45		55	49	45		54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38		48	42	38		47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	90341
5°	90067
10°	89180
15°	88264
20°	87338
25°	85911
30°	83558
35°	79753
40°	74152
45°	62610
50°	42509
55°	22209
60°	9966
65°	4859
70°	1956
75°	1191
80°	888
85°	601



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.8	5.4
10°-20°	779.9	15.3
20°-30°	1160.9	22.7
30°-40°	1319.6	25.9
40°-50°	1079.1	21.1
50°-60°	402.3	7.9
60°-70°	73.5	1.4
70°-80°	11.4	0.2
80°-90°	1.6	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°	2216.5	43.4
0°-40°	3536.1	69.3
0°-60°	5017.5	98.3
0°-90°	5104.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5104.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2930	
5°	2910	276
15°	2765	780
25°	2525	1161
35°	2119	1320
45°	1436	1079
55°	413	402
65°	67	74
75°	10	11
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2929.7
2.5°	2924.7
5°	2909.7
7.5°	2883.1
10°	2848.1
12.5°	2808.1
15°	2764.8
17.5°	2714.8
20°	2661.5
22.5°	2598.2
25°	2525.0
27.5°	2441.7
30°	2346.7
32.5°	2238.5
35°	2118.6
37.5°	1990.3
40°	1842.1
42.5°	1658.9
45°	1435.7
47.5°	1167.5
50°	886.1
52.5°	624.6
55°	413.1
57.5°	259.8
60°	161.6
62.5°	103.3
65°	66.6
67.5°	38.3
70°	21.7
72.5°	13.3
75°	10.0
77.5°	6.7
80°	5.0
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)